Yahoo Group Archive:
sdr-users

Yahoo Group summary: SDR Radio User’s Discussion Group.

These Yahoo Groups messages were archived in WARC format by ArchiveTeam in 2018. This PDF was generated by Digital Library of Amateur Radio & Communications from the WARC files in 2026.

Date span: 2013-05-19 through 2015-12-27

Source WARC: sdr-users.daq8VYT.warc.gz

Source item: https://archive.org/details/yahoo-groups-2018-10-04T10-23-02Z-0d4ec1

Messages included in this PDF: 570

Messages omitted as spam from this PDF: 1

Yahoo replaced the domain portions of email addresses with @... in the archived messages. Characters lost in Yahoo's archived text appear as ?.

Messages are presented in ascending Yahoo message-ID order. Gaps indicate records absent from the source WARC or messages omitted from this PDF as spam.

1. Owner and moderators

Yahoo group: sdr-users
Date: 2013-05-19 14:21:26 UTC
From: NN4ZZ
Topic: 1 Message: 1

Please add the name/call of the owner and moderators to the opening description.

Thanks, Al /NN4ZZ

2. Some of the issues that could be discussed in this forum...

Yahoo group: sdr-users
Date: 2013-05-19 14:30:49 UTC
From: sdr.users
Topic: 2 Message: 2

In this new forum important issues can be discussed such as:

What are DUC and DDC transceivers? Who is making them?

Does Hermes or Mercury, mean anything to you? What about SDR-IQ, QS1R or Perseus? How about Flex-radio or Apache-labs?

Do DUC/DDC transceivers cost more or less to manufacture than earlier technology? Where are they manufactured? Who manufactures them?

What is a FPGA? And an ADC? Where are these components engineered and/or manufactured?

What are the differences between Open Source software and Propietary software? PowerSDR, SmartSDR, cuSDR, Ham-radio SDR, QTradio and many others ? Who is writing them? What is their history?

What about Gigabit? What is it all about? And all this about sample rates and slices?

Is SDR for everyone?

And, what's this about client servers?

How much more am I purchasing for $9,000.00? If I already have, or I can purchase a $900.00/ 100W transceiver that operates all bands from 160M to 432MHz (70cm)?

How important are these extreme statistics being published by the ARRL and other independent labs?

73

Juan /K4LCD - WF2XXQ

3. Re: Owner and moderators

Yahoo group: sdr-users
Date: 2013-05-19 16:43:03 UTC
From: larry_k1uo
Topic: 1 Message: 3

I agree with Al, we already have problems trying to find the owner/moderator of another Forum we are trying to join.

Thanks, Larry K1UO

--- In sdr-users@yahoogroups.com, "NN4ZZ" <al@...> wrote:
>
> Please add the name/call of the owner and moderators to the opening description.
>
> Thanks, Al /NN4ZZ
>

4. Re: [sdr-users] Re: Owner and moderators

Yahoo group: sdr-users
Date: 2013-05-19 16:51:27 UTC
From: SDR Users
Topic: 1 Message: 4

My name is Juan A. Granados and my call is K4LCD. I added that information when I saw Al's postings.

I look forward to your contributions.

Sincerely and 73

Juan /K4LCD

On 05/19/2013 4:43 PM, larry_k1uo wrote:
>
> I agree with Al, we already have problems trying to find the
> owner/moderator of another Forum we are trying to join.
>
> Thanks, Larry K1UO
>
> --- In sdr-users@yahoogroups.com <mailto:sdr-users%40yahoogroups.com>,
> "NN4ZZ" <al@...> wrote:
> >
> > Please add the name/call of the owner and moderators to the opening
> description.
> >
> > Thanks, Al /NN4ZZ
> >
>
>

5. Re: Owner and moderators

Yahoo group: sdr-users
Date: 2013-05-19 17:17:43 UTC
From: NN4ZZ
Topic: 1 Message: 5

Thanks Juan and nice to meet you.

Al

--- In sdr-users@yahoogroups.com, SDR Users <sdr.users@...> wrote:
>
> My name is Juan A. Granados and my call is K4LCD. I added that
> information when I saw Al's postings.
>
> I look forward to your contributions.
>
> Sincerely and 73
>
> Juan /K4LCD
>
> On 05/19/2013 4:43 PM, larry_k1uo wrote:
> >
> > I agree with Al, we already have problems trying to find the
> > owner/moderator of another Forum we are trying to join.
> >
> > Thanks, Larry K1UO
> >
> > --- In sdr-users@yahoogroups.com <mailto:sdr-users%40yahoogroups.com>,
> > "NN4ZZ" <al@> wrote:
> > >
> > > Please add the name/call of the owner and moderators to the opening
> > description.
> > >
> > > Thanks, Al /NN4ZZ
> > >
> >
> >
>

6. Re: Owner and moderators

Yahoo group: sdr-users
Date: 2013-05-19 19:58:34 UTC
From: Chris
Topic: 1 Message: 6

Great to join this group - I'm looking forward to a thriving new forum!

73

Chris

G5VZ / WG5VZ

7. Re: [sdr-users] Re: Owner and moderators

Yahoo group: sdr-users
Date: 2013-05-19 20:08:28 UTC
From: Chris Wilson
Topic: 1 Message: 7

>
> Great to join this group - I'm looking forward to a thriving new forum!

> 73

> Chris

> G5VZ / WG5VZ

19/05/2013 21:06

Likewise, and good to see an ex pat (?) here Chris. Looking forward to
discussion away from a commercial environment, of all SDR gear under
one "roof". Good luck to the forum, and all who post in her! :)

--
Best Regards,
Chris Wilson.

8. RE: [sdr-users] Re: Owner and moderators

Yahoo group: sdr-users
Date: 2013-05-19 20:16:53 UTC
From: Ralph W5JGV
Topic: 1 Message: 8

> Great to join this group - I'm looking forward to a thriving new
forum!
> G5VZ / WG5VZ

Same here!

73,

W5JGV - WD2XSH/7

9. New TenTech 'SDR' box introduced at Dayton

Yahoo group: sdr-users
Date: 2013-05-19 20:18:06 UTC
From: Rick Simpson
Topic: 9 Message: 9

Always happy to talk about SDR!

Did anyone get more info on the new TenTech $200 SDR box beyond their press release? Does it have IQ output? Is the Arduino-like board included with the base unit? Got a picture of the innards?

Rick
K3IND

10. Re: [sdr-users] Re: Owner and moderators

Yahoo group: sdr-users
Date: 2013-05-19 20:24:03 UTC
From: SDR Users
Topic: 1 Message: 10

```
Welcome all!

Juan /K4LCD - WF2XXQ

On 05/19/2013 8:16 PM, Ralph W5JGV wrote:
>
> > Great to join this group - I'm looking forward to a thriving new
> forum!
> > G5VZ / WG5VZ
>
> Same here!
>
> 73,
>
> W5JGV - WD2XSH/7
>
>
```

11. USB Driver for Windows 7 64 bit

Yahoo group: sdr-users
Date: 2013-05-19 21:10:47 UTC
From: vinegarlee
Topic: 11 Message: 11

Gentlemen,

My time with SDR goes back to the early days of the 5000A (and it is now fully upgraded) but my first "serious" question begins with the acquisition of the flex1500 early last winter. With the exception of the 5000A which runs on Vista, I run the radios on XP. And I have had no problems and have immensely enjoyed my SDR stuff. But then, a couple of months ago the XYL announced that she found the HP laptop I gave her to be "awkward" and wanted to convert back to an ordinary desktop. I thought about this and concluded that doing so would make available a fine laptop running Windows 7 64 bit that could be used with the 1500 as the basis of a fine portable/Emmcomm station. This was done and then the problems started. After a lot of grief I finally gave up trying to get the operating system to work with the Flex USB driver, decided to wait for an upgrade that I'm sure will come and, switched to the SDR-IQ which I wanted to run under Simon's SDR-Console. That wouldn't run under Windows 7 64 either! But a search of the web turned up a "proper" USB driver and all is well on the SDR-IQ front. But I still need a Windows 7 64 driver for the Flex1500. Windows 7 absolutely refuses to run the Flex Driver and substitutes something from Microsoft. Help!

73

Lee K9WRU

12. Re: Some of the issues that could be discussed in this forum...

Yahoo group: sdr-users
Date: 2013-05-19 22:30:35 UTC
From: sdr.users
Topic: 2 Message: 12

In this new forum important issues can be discussed such as:

What are DUC and DDC transceivers? Who is making them?

Does Hermes or Mercury, mean anything to you? What about Softrock, SDR-IQ, QS1R or Perseus? How about Flex-radio or Apache-labs?

Do DUC/DDC transceivers cost more or less to manufacture than earlier technology? Where are they manufactured? Who manufactures them?

What is a FPGA? And an ADC? Where are these components engineered and/or manufactured?

What are the differences between Open Source software and Propietary software? PowerSDR, SmartSDR, cuSDR, SDR Radio Console, HDSDR, Winrad, SpectraVue, CuteSdr, QTradio and many others ? Who is writing them? What is their history?

What about Gigabit? What is it all about? And all this about sample rates multiple virtual receivers and slices? Do they impact the cost of the SDR radios?

Is SDR for everyone?

And, what's this about client servers?

How much more am I purchasing for $9,000.00? If I already have, or I can purchase a $900.00/ 100W transceiver that operates all bands from 160M to 432MHz (70cm)?

How important are these extreme statistics being published by the ARRL and other independent labs?

73

Juan /K4LCD - WF2XXQ

13. Looking forward to discussions

Yahoo group: sdr-users
Date: 2013-05-19 22:54:14 UTC
From: andrewthall
Topic: 13 Message: 13

I currently use a SDR-IQ as a pan adaptor for my FTdx3000. I am looking forward to getting the most out of it.

Andy, K2OO

14. SDR as Panadaptor

Yahoo group: sdr-users
Date: 2013-05-19 23:13:56 UTC
From: Rick Simpson
Topic: 14 Message: 14

Has anyone on this group had experience attaching an SDR receiver to the IF of a Heath SB-1400 oa a Yaesu 747GX?

Rick
K3IND

15. Re: SDR as Panadaptor

Yahoo group: sdr-users
Date: 2013-05-19 23:44:08 UTC
From: Phil N8VB
Topic: 14 Message: 15

Hi Rick,

Are you asking about how to add an IF output? If so, check out <http://www.qsl.net/lu8eq/pdf/ft747_fi_sdr.pdf> for the mod required to add an IF output to your 747.

73 Phil N8VB

--- In sdr-users@yahoogroups.com, "Rick Simpson" <goatguy101@...> wrote:
>
> Has anyone on this group had experience attaching an SDR receiver to the IF of a Heath SB-1400 oa a Yaesu 747GX?
>
> Rick
> K3IND
>

16. Re: New TenTech 'SDR' box introduced at Dayton

Yahoo group: sdr-users
Date: 2013-05-19 23:54:46 UTC
From: Phil N8VB
Topic: 9 Message: 16

Hi Rick,

The TEN TEC 506 Rebel has a new Yahoo group:
<http://groups.yahoo.com/group/TenTec506Rebel/>. It is not really a SDR though, it uses a pretty conventional analog transceiver design. It does use a ChipKit Uno32, which is based on the PIC32 and an arduino like development platform, for radio control functions. Because of this it will be user programmable and hardware extendable via ChipKit "shields". There is already code for adding a LCD display in the first software (actually firmware code) release.

73 Phil N8VB

--- In sdr-users@yahoogroups.com, "Rick Simpson" <goatguy101@...> wrote:
>
> Always happy to talk about SDR!
>
> Did anyone get more info on the new TenTech $200 SDR box beyond their press release? Does it have IQ output? Is the Arduino-like board included with the base unit? Got a picture of the innards?
>
> Rick
> K3IND
>

17. Re: USB Driver for Windows 7 64 bit

Yahoo group: sdr-users
Date: 2013-05-19 23:59:27 UTC
From: Phil N8VB
Topic: 11 Message: 17

Hi Lee,

Have you called Flex Radio support about your driver problem? I can't imagine that they could not help you through this problem. A lot of guys are using Windows 7 64 bit with the Flex stuff.

73 Phil N8VB

--- In sdr-users@yahoogroups.com, "vinegarlee" <herbert3@...> wrote:
>
> Gentlemen,
>
> My time with SDR goes back to the early days of the 5000A (and it is now fully upgraded) but my first "serious" question begins with the acquisition of the flex1500 early last winter. With the exception of the 5000A which runs on Vista, I run the radios on XP. And I have had no problems and have immensely enjoyed my SDR stuff. But then, a couple of months ago the XYL announced that she found the HP laptop I gave her to be "awkward" and wanted to convert back to an ordinary desktop. I thought about this and concluded that doing so would make available a fine laptop running Windows 7 64 bit that could be used with the 1500 as the basis of a fine portable/Emmcomm station. This was done and then the problems started. After a lot of grief I finally gave up trying to get the operating system to work with the Flex USB driver, decided to wait for an upgrade that I'm sure will come and, switched to the SDR-IQ which I wanted to run under Simon's SDR-Console. That wouldn't run under Windows 7 64 either! But a search of the web turned up a "proper" USB driver and all is well on the SDR-IQ front. But I still need a Windows 7 64 driver for the Flex1500. Windows 7 absolutely refuses to run the Flex Driver and substitutes something from Microsoft. Help!
>
> 73
>
> Lee K9WRU
>

18. Re: [sdr-users] Re: SDR as Panadaptor

Yahoo group: sdr-users
Date: 2013-05-20 01:35:05 UTC
From: Rick Simpson
Topic: 14 Message: 18

Phil,

Thanks SO much for the URL. I have searched all over the 'net looking for that info. I guess Google missed it because it was in Italian! How did you ever know about it?

Rick

----- Original Message -----
From: Phil N8VB
To: sdr-users@yahoogroups.com
Sent: Sunday, May 19, 2013 7:44 PM
Subject: [sdr-users] Re: SDR as Panadaptor

Hi Rick,

Are you asking about how to add an IF output? If so, check out <http://www.qsl.net/lu8eq/pdf/ft747_fi_sdr.pdf> for the mod required to add an IF output to your 747.

73 Phil N8VB

--- In sdr-users@yahoogroups.com, "Rick Simpson" <goatguy101@...> wrote:
>
> Has anyone on this group had experience attaching an SDR receiver to the IF of a Heath SB-1400 oa a Yaesu 747GX?
>
> Rick
> K3IND
>

19. Re: [sdr-users] Re: USB Driver for Windows 7 64 bit

Yahoo group: sdr-users
Date: 2013-05-20 02:40:17 UTC
From: Lee Mushel
Topic: 11 Message: 19

Of course---both Tim and Dudley. Always keep in mind that the SDR-IQ
didn't work, either but that has been corrected....
This was "worked on" for more than two weeks. But I at least did find out
that there is a very definite "rule to play by" that Flex has not satisfied.

Lee
----- Original Message -----
From: "Phil N8VB" <p.covington@...>
To: <sdr-users@yahoogroups.com>
Sent: Sunday, May 19, 2013 5:59 PM
Subject: [sdr-users] Re: USB Driver for Windows 7 64 bit

>
>
> Hi Lee,
>
> Have you called Flex Radio support about your driver problem? I can't
> imagine that they could not help you through this problem. A lot of guys
> are using Windows 7 64 bit with the Flex stuff.
>
> 73 Phil N8VB
>
> --- In sdr-users@yahoogroups.com, "vinegarlee" <herbert3@...> wrote:
>>
>> Gentlemen,
>>
>> My time with SDR goes back to the early days of the 5000A (and it is now
>> fully upgraded) but my first "serious" question begins with the
>> acquisition of the flex1500 early last winter. With the exception of
>> the 5000A which runs on Vista, I run the radios on XP. And I have had
>> no problems and have immensely enjoyed my SDR stuff. But then, a couple
>> of months ago the XYL announced that she found the HP laptop I gave her
>> to be "awkward" and wanted to convert back to an ordinary desktop. I
>> thought about this and concluded that doing so would make available a
>> fine laptop running Windows 7 64 bit that could be used with the 1500 as
>> the basis of a fine portable/Emmcomm station. This was done and then the
>> problems started. After a lot of grief I finally gave up trying to get
>> the operating system to work with the Flex USB driver, decided to wait
>> for an upgrade that I'm sure will come and, switched to the SDR-IQ which
>> I wanted to run under Simon's SDR-Console. That wouldn't run under
>> Windows 7 64 either! But a search of the web turned up a "proper" USB
>> driver and all is well on the SDR-IQ front. But I still need a Windows 7
>> 64 driver for the Flex1500. Windows 7 absolutely refuses to run the
>> Flex Driver and substitutes something from Microsoft. Help!
>>

>> 73
>>
>> Lee K9WRU
>>
>
>
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>
> ------------------------------------
>
> Yahoo! Groups Links
>
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20. Re: [sdr-users] Re: SDR as Panadaptor

Yahoo group: sdr-users
Date: 2013-05-20 04:50:26 UTC
From: Lee Mushel
Topic: 14 Message: 20

Rick,

I do have one word of warning. In 1967 I wanted to connect the Squires-Sanders panadapter to my Hammarlund HQ-180C and, while drilling a hole for the RCA phone jack (which I guess is something you are thinking about) I managed to run the twist drill into the back section of the Hammarlund band selector switch. While the radio did work after that and the performance of that panadapter was a major reason I bought my 5000A, from time to time it was necessary to pound on the cabinet to restore continuity. I am simply advising you to take care.....

73

Lee K9WRU
----- Original Message -----
From: Rick Simpson
To: sdr-users@yahoogroups.com
Sent: Sunday, May 19, 2013 7:35 PM
Subject: Re: [sdr-users] Re: SDR as Panadaptor

Phil,

Thanks SO much for the URL. I have searched all over the 'net looking for that info. I guess Google missed it because it was in Italian! How did you ever know about it?

Rick

----- Original Message -----
From: Phil N8VB
To: sdr-users@yahoogroups.com
Sent: Sunday, May 19, 2013 7:44 PM
Subject: [sdr-users] Re: SDR as Panadaptor

Hi Rick,

Are you asking about how to add an IF output? If so, check out <http://www.qsl.net/lu8eq/pdf/ft747_fi_sdr.pdf> for the mod required to add an IF output to your 747.

73 Phil N8VB

--- In sdr-users@yahoogroups.com, "Rick Simpson" <goatguy101@...> wrote:
>
> Has anyone on this group had experience attaching an SDR receiver to the IF of a Heath SB-1400 oa a Yaesu 747GX?
>
> Rick
> K3IND
>

21. Pseudo Stereo

Yahoo group: sdr-users
Date: 2013-05-20 08:18:27 UTC
From: Simon GD4ELI/HB9DRV
Topic: 21 Message: 21
Attachments: 1 described; binary payloads are missing from this source WARC

Hi All,

Yesterday I added Pseudo Stereo to my console (V2). This can help a lot when digging stations out of the noise. In my implementation I have (so far) these steps:

. Hass effect - delay one channel by up to 35 ms (10 ms seems like a good compromise).

. Low-pass filter on Left, high-pass filter on right with a common cut-off frequency (typically 600 Hz). These are 'gentle' order=1 IIR Butterworth filters.

. Outside the Speakers effect by inverting the phase of one channel.

All-in-all it depends on whether you're using loudspeakers or headphones and whether your hearing is shot (mine is, tinnitus etc.).

When I get time I'll look at more complex inter-channel filtering as shown here: http://logicblog.info/wp-content/uploads/2011/03/delayhaas22.png

For a good read see:
http://logicblog.info/logic-pro-blog/2011/03/20/tips-to-make-delays-wider-in-logic-pro-part-one.html and
http://audio.tutsplus.com/tutorials/production/2-useful-phase-tricks/ .

As a test of this Yahoo! group I'm adding an attachment to see how it flies.

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

22. Re: Pseudo Stereo

Yahoo group: sdr-users
Date: 2013-05-20 09:17:27 UTC
From: sdr.users
Topic: 21 Message: 22

Welcome Simon and good morning!

We are honored with your presence and we look forward to your important contributions.

With kindest regards, 73

Juan /K4LCD - WF2XXQ

--- In sdr-users@yahoogroups.com, "Simon GD4ELI/HB9DRV" <simon@...> wrote:
>
> Hi All,
>
>
>
> Yesterday I added Pseudo Stereo to my console (V2). This can help a lot when
> digging stations out of the noise. In my implementation I have (so far)
> these steps:
>
>
>
> . Hass effect - delay one channel by up to 35 ms (10 ms seems like a
> good compromise).
>
> . Low-pass filter on Left, high-pass filter on right with a common
> cut-off frequency (typically 600 Hz). These are 'gentle' order=1 IIR
> Butterworth filters.
>
> . Outside the Speakers effect by inverting the phase of one channel.
>
>
>
> All-in-all it depends on whether you're using loudspeakers or headphones and
> whether your hearing is shot (mine is, tinnitus etc.).
>
>
>
> When I get time I'll look at more complex inter-channel filtering as shown
> here: http://logicblog.info/wp-content/uploads/2011/03/delayhaas22.png
>
>
>
> For a good read see:
> http://logicblog.info/logic-pro-blog/2011/03/20/tips-to-make-delays-wider-in
> -logic-pro-part-one.html and
> http://audio.tutsplus.com/tutorials/production/2-useful-phase-tricks/ .
>

>
>
> As a test of this Yahoo! group I'm adding an attachment to see how it flies.
>
>
>
> Simon GD4ELI/HB9DRV
>
> http://v2.sdr-radio.com/
>

23. RE: [sdr-users] Re: Pseudo Stereo

Yahoo group: sdr-users
Date: 2013-05-20 09:46:07 UTC
From: Simon GD4ELI/HB9DRV
Topic: 21 Message: 23

Hi,

Made a YouTube video, see http://v2.sdr-radio.com/Videos.aspx

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of sdr.users

Welcome Simon and good morning!

24. Re: SDR as Panadaptor

Yahoo group: sdr-users
Date: 2013-05-20 10:35:28 UTC
From: Phil N8VB
Topic: 14 Message: 24

Hi Rick,

I commonly get requests for information on how to use the QS1R as a panadapter on many radios, so I keep a library of mods. If I can't find one already written up on the net and a service manual for the radio is available, I will write one up myself.

73 Phil N8VB

--- In sdr-users@yahoogroups.com, "Rick Simpson" <goatguy101@...> wrote:
>
> Phil,
>
> Thanks SO much for the URL. I have searched all over the 'net looking for that info. I guess Google missed it because it was in Italian! How did you ever know about it?
>
> Rick
>
> ----- Original Message -----
> From: Phil N8VB
> To: sdr-users@yahoogroups.com
> Sent: Sunday, May 19, 2013 7:44 PM
> Subject: [sdr-users] Re: SDR as Panadaptor
>
>
>
>
>
>
> Hi Rick,
>
> Are you asking about how to add an IF output? If so, check out <http://www.qsl.net/lu8eq/pdf/ft747_fi_sdr.pdf> for the mod required to add an IF output to your 747.
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> 73 Phil N8VB
>
> --- In sdr-users@yahoogroups.com, "Rick Simpson" <goatguy101@> wrote:
> >
> > Has anyone on this group had experience attaching an SDR receiver to the IF of a Heath SB-1400 oa a Yaesu 747GX?
> >
> > Rick
> > K3IND
> >
>

25. RE: [sdr-users] Pseudo Stereo

Yahoo group: sdr-users
Date: 2013-05-20 11:05:03 UTC
From: Jeff Cook
Topic: 21 Message: 25

It flies Simon it flies.

Jeff, G0AFQ.

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of Simon GD4ELI/HB9DRV
Sent: 20 May 2013 09:18
To: sdr-users@yahoogroups.com
Subject: [sdr-users] Pseudo Stereo

Hi All,

As a test of this Yahoo! group I'm adding an attachment to see how it flies.

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

26. RTL-dongle and weather-station remote sensors

Yahoo group: sdr-users
Date: 2013-05-20 11:27:59 UTC
From: Kristoff Bonne
Topic: 26 Message: 26

Hi,

I've been experimenting this weekend with using a RTL (realtech) DAB/DVB-T stick as SDR receiver using all kind of (linux) applications, mainly using embedded linux boards (like the raspberry pi). One of the things I have trying out is a combination of rtl_fm (CLI-based fm/am/ssb receiver to outputs the demodulated audio to standard-out) tuned to a remote temperature sensor for a weatherstation (ASK on 433.845 Mhz) and a self-written application to decode the weather signals.

Are there here people who have also played around with this? Anybody with experience with GNUradio for this kind of projects?

73
kristoff - ON1ARF

27. SDR-IQ and using Mode / Filter Diversity

Yahoo group: sdr-users
Date: 2013-05-20 11:36:34 UTC
From: WD8ARZ
Topic: 27 Message: 27

In the past I have used a dual receiver ham rig to use audio diversity reception techniques (FT-1000MP). Bringing the human brain into play to sort signal information is very effective in copying the audio of signals under varying conditions .... it is more than a stereo effect. It is more like mixing, with some audio in the left ear, some in the right, some in the middle .... and it moves around depending on that mixing. This allows the head 'filter' help you choose what you want to focus on hearing.

When the left ear hears one version, and the right ear a different version, a spatial effect, almost like 3d kicks in that makes for very enjoyable listening of what was poor audio or band conditions. But if the information needed is not in the signal to begin with, or is not in proportion to the ability to sort it, even this technique wont help much.

For example, enable dual VFO in your SDR receiver. On a AM shortwave station, put one receiver on Usb, and the other on Lsb. Use stereo speakers or headphones. I prefer headphones for the better 'brain' filtering effect to kick in.

Also try wide filters on one vfo, narrow on the other, DSP on one, not on the other, etc etc. Similar effects for Ssb and terrific affects for CW.

It is human nature to want to hear the best possible audio and for it to be as natural as possible, if the bandwidth allows it. However what sounds "good" and what is intelligible are not the same things. By intelligible I mean the ability for your spoken words to be understood, "to be heard". Research has proven over and over again that intelligibility is in the higher frequency components of speech, and not in the lower. However hifi sounds is generally supported with the lower frequency range. Thus 100hz -3800hz audio will sound great and be preferred by most listeners, and 400-2000hz will be judged to narrow. Pushing higher audio frequencies with out lows will also be crispy and annoying to some.......but intelligibility might be improved. 300 / 400 - 1990 / 2100 hz range of audio can have more intelligibility under noisy long range communications than much wider band width. Local or strong signals may not need such band width considerations.

Different effects applied to one Vfo than another Vfo are also affected by latency in the system that can be different between the Vfo's different processing used. This time lag is a contributing factor for the brain to 'decode' the signal in interesting ways.

This material from what I posted on the internet around 1997.

73 from Bill -WD8ARZ

28. RE: [sdr-users] SDR-IQ and using Mode / Filter Diversity

Yahoo group: sdr-users
Date: 2013-05-20 11:48:03 UTC
From: Simon GD4ELI/HB9DRV
Topic: 27 Message: 28

.and there are dual phase-coherent SDR receivers: NetSDR (X2),
http://www.satrian.com/, Afedri-SDR and no doubt others.

I've used the NetSDR X2 in an unreleased version of my software, each RX
with its own antenna. There's a lot we can do.

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf
Of WD8ARZ

In the past I have used a dual receiver ham rig to use audio diversity
reception techniques (FT-1000MP). Bringing the human brain into play to sort
signal information is very effective in copying the audio of signals under
varying conditions .... it is more than a stereo effect. It is more like
mixing, with some audio in the left ear, some in the right, some in the
middle .... and it moves around depending on that mixing. This allows the
head 'filter' help you choose what you want to focus on hearing.

29. Re: Pseudo Stereo

Yahoo group: sdr-users
Date: 2013-05-20 12:22:36 UTC
From: Phil N8VB
Topic: 21 Message: 29

One pseudo stereo technique I have had good results with in very weak signal applications is to delay the original signal by 10-20 ms and then frequency modulate the delayed signal with a very low frequency periodic waveform (< 1-2 Hz) and use this delayed, fm modulated signal as the other channel. An even better effect is if the original signal is summed with the delayed, fm modulated signal to create a left channel and the original signal is summed with a phase inverted version of the same delayed, fm modulated signal to form the right channel. By making the amplitude and frequency of the periodic low frequency waveform modulating signal variable, the effect can be tuned by the user for weak signal work.

73 Phil N8VB

--- In sdr-users@yahoogroups.com, "Simon GD4ELI/HB9DRV" <simon@...> wrote:
>
> Hi,
>
>
>
> Made a YouTube video, see http://v2.sdr-radio.com/Videos.aspx
>
>
>
> Simon GD4ELI/HB9DRV
>
> http://v2.sdr-radio.com/
>
>
>
> From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf
> Of sdr.users
>
> Welcome Simon and good morning!
>

30. Re: SDR as Panadaptor

Yahoo group: sdr-users
Date: 2013-05-20 14:20:54 UTC
From: Jack
Topic: 14 Message: 30

I have used a Softrock 6.2lite with Clifton Labs Z10000 buffer on a K2. I don't know if you can get an appropriate 6.2 xtal that would work with your IF frequencies. I was reasonable satisfied with the result. I currently use a LP-Pan2 with my K3 and use an SDRWidget for the sound. This later arrangement is great.

73,
Jack (W0FNQ)

31. RE: [sdr-users] Re: Pseudo Stereo

Yahoo group: sdr-users
Date: 2013-05-21 09:44:21 UTC
From: Simon GD4ELI/HB9DRV
Topic: 21 Message: 31

Phil,

An interesting idea, results may be similar to using a graphics equaliser. Somewhere there's a patent for converting mono to 5 channel surround sound, I don't think I'll go quite that far J .

I'm sure there's a lot more we can do given the vast and inexpensive CPU resources available these days.

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of Phil N8VB
Sent: 20 May 2013 14:23
To: sdr-users@yahoogroups.com
Subject: [sdr-users] Re: Pseudo Stereo

One pseudo stereo technique I have had good results with in very weak signal applications is to delay the original signal by 10-20 ms and then frequency modulate the delayed signal with a very low frequency periodic waveform (< 1-2 Hz) and use this delayed, fm modulated signal as the other channel. An even better effect is if the original signal is summed with the delayed, fm modulated signal to create a left channel and the original signal is summed with a phase inverted version of the same delayed, fm modulated signal to form the right channel. By making the amplitude and frequency of the periodic low frequency waveform modulating signal variable, the effect can be tuned by the user for weak signal work.

73 Phil N8VB

--- In sdr-users@yahoogroups.com <mailto:sdr-users%40yahoogroups.com> , "Simon GD4ELI/HB9DRV" <simon@...> wrote:
>
> Hi,
>
>
>
> Made a YouTube video, see http://v2.sdr-radio.com/Videos.aspx
>
>
>
> Simon GD4ELI/HB9DRV
>
> http://v2.sdr-radio.com/
>

>
>
> From: sdr-users@yahoogroups.com <mailto:sdr-users%40yahoogroups.com>
[mailto:sdr-users@yahoogroups.com <mailto:sdr-users%40yahoogroups.com>] On
Behalf
> Of sdr.users
>
> Welcome Simon and good morning!
>

32. From a "non-technical prospective and beginner user of SDR".

Yahoo group: sdr-users
Date: 2013-05-21 11:45:03 UTC
From: sdr.users
Topic: 32 Message: 32

I am surprised at the variety of existing users of SDR and prospective new users of SDR that have shown an interest in joining, during the initial 48 hours of its existence, this SDR Radio Discussion Group which announced purpose is "educational and informative". Most of them seemed starved to acquire knowledge.

"In furthering the educational and informative purpose of this Users Discussion Group, we would like to seek your assistance in creating a library of simple tutorials directed to non-technical prospective and beginner users of SDR, so that we BETTER understand in terms of the State of the Art of the technology, hardware and software:

1. What is it that SDR that each of us already own; and/or

2. What are the new SDR options being offered."

I got involved with SDR, 10 years ago, with the Flex-1000 which I enjoyed and kept many years and replaced it with a Flex-5000A. Ken, N9VV was my teacher and has continued to be so during all these years. I also purchased some years back a used SDR-IQ and used it as second receiver in conjunction with my TS-2000, using Simon Brown's SDR-radio console and for my MF/LF work under my FCC experimental license WF2XXQ.

And in the middle of all the volume of "highly technical" development and marketing information and why not, miss-information, I have made a small deposit for a reservation for an Apache-labs ANAN-100 transceiver.

Having said all that, I still consider myself one of those "non-technical prospective and beginner users of SDR" who really does not fully understand "1. What is it that SDR that each of us already own; and/or 2. What are the new SDR options being offered."

In simpler words, the NEWBIE wants to better understand all this new technical stuff...

This was my motivation to create this SDR Radio Discussion Group which announced purpose is "educational and informative".

Sincerely and thanks.

73

Juan /K4LCD - WF2XXQ

33. GPS Referenced RXTX for WSPR

Yahoo group: sdr-users
Date: 2013-05-22 02:36:53 UTC
From: warrenallgyer
Topic: 33 Message: 33

The Si5170 based radios tend to wander a bit in frequency based on ambient temperature. My shack is not air conditioned when I am not inside and the difference in my WSPR frequency can be 10-12 Hz depending on the state of the air con.

I have built a GPS referenced signal generator based on the Si 5338 Evaluation board. By coupling it with a uBlox GPS module that has a programmable, GPS disciplined output, I have four separate outputs, referenced to GPS, each with a programmable frequency range of about 3.0 to 700 MHz.

My goal has been to modify an RXTX to accept one of these programmable outputs, replacing the onboard Si5170. I wanted to do it in a reversible manner with as little disruption or damage to the board as possible, especially in the prototype.

A picture of the prototype is posted here:
http://groups.yahoo.com/group/sdr-users/photos/album/163267873/pic/1779345030/view?picmode=&mode=tn&order=ordinal&start=1&count=20&dir=asc

I replicated T1 and R12, along with a SPDT slide switch on a 0.6 x 1.0 in. piece of perf board. I removed C3. A new wire from the T1 side of the C3 holes goes to one pole of the switch. The output of the new T1A goes to the other side, and a new C3 connects the center pole of the switch to the old C3 hole on the output. I picked up a ground on the ground side of the opto isolator. The new RF input is connected to the primary side of the new T1A.

The slide switch now selects the onboard Si5170 or the new external input via the new transformer. I set the whole board in a puddle of clear silicone so no holes were drilled.

It works like a champ! Just be sure to set up the synthesizer for 4X the operating frequency and enjoy GPS frequency precision on your SDR.

Warren Allgyer - 9V1TD

34. Re: GPS Referenced RXTX for WSPR

Yahoo group: sdr-users
Date: 2013-05-22 12:33:03 UTC
From: Phil N8VB
Topic: 33 Message: 34

Hi Warren,

Very interesting project! Have you been able to compare the phase noise of the Si5338 clock generator to the Si570's phase noise? The Si570 has very good random jitter specs for the type of part it is.

According to the datasheet, the random jitter specs of the Si5338 is two to three times worse than the specs of the Si570. I am wondering what you are seeing in a practical application instead of based on reading the datasheet.

Regards,

Philip A Covington
Software Radio Laboratory LLC
Columbus, Ohio
http://www.srl-llc.com

--- In sdr-users@yahoogroups.com, "warrenallgyer" <allgyer@...> wrote:
>
> The Si5170 based radios tend to wander a bit in frequency based on ambient temperature. My shack is not air conditioned when I am not inside and the difference in my WSPR frequency can be 10-12 Hz depending on the state of the air con.
>
> I have built a GPS referenced signal generator based on the Si 5338 Evaluation board. By coupling it with a uBlox GPS module that has a programmable, GPS disciplined output, I have four separate outputs, referenced to GPS, each with a programmable frequency range of about 3.0 to 700 MHz.
>
> My goal has been to modify an RXTX to accept one of these programmable outputs, replacing the onboard Si5170. I wanted to do it in a reversible manner with as little disruption or damage to the board as possible, especially in the prototype.
>
> A picture of the prototype is posted here:
> http://groups.yahoo.com/group/sdr-users/photos/album/163267873/pic/1779345030/view?picmode=&mode=tn&order=ordinal&start=1&count=20&dir=asc
>
> I replicated T1 and R12, along with a SPDT slide switch on a 0.6 x 1.0 in. piece of perf board. I removed C3. A new wire from the T1 side of the C3 holes goes to one pole of the switch. The output of the new T1A goes to the other side, and a new C3 connects the center pole of the switch to the old C3 hole on the output. I picked up a ground on the ground side of the opto isolator. The new RF input is connected to the primary side of the new T1A.
>
> The slide switch now selects the onboard Si5170 or the new external input via the new transformer. I set the whole board in a puddle of clear silicone so no holes were drilled.
>

> It works like a champ! Just be sure to set up the synthesizer for 4X the operating frequency and enjoy GPS frequency precision on your SDR.
>
> Warren Allgyer - 9V1TD
>

35. Re: GPS Referenced RXTX for WSPR

Yahoo group: sdr-users
Date: 2013-05-22 21:53:16 UTC
From: warrenallgyer
Topic: 33 Message: 35

Great question Phil!

I am tip-toeing into understanding and, hopefully, being able to measure phase noise in my homemade lab. Here is what I have observed:

When viewing the oscillator output on the expanded spectrum display of HDSDR there are conditions where it looks like a gumdrop rather than a single sharp spike. As I understand it, this is an indication of phase noise. Expanding it even further, it is clear that the "gumdrop" us made up of the main signal and nearly symmetrical sidebands spaced at about 10 Hz intervals on either side of center.

The Si 5338 EVB has an on-board 25 MHz crystal oscillator and the EVB Clockbuilder software allows selection of either the crystal or an external input as the reference for the synthesizer.

When using the onboard crystal I have measured the first 10 Hz sideband at >60dB below the fundamental and the signal appears similar to the Si5170.... but that is not a quantified measurement, just an observation.

On the other hand, when I select the external source,which is the 10 MHz output of a uBlox LEA6 GPS module, the spreading of the "gumdrop" is very pronounced. The first 10 Hz sideband is only 10 dB down from the center frequency and successive sidebands are 1-2 dB reduced as you move out. I am not sure what the effect would be but I have arbitrarily deemed this as unusable on the air.

I have a second homemade GPS reference source which is based on a Trimble GPS module and is the shack 10 MHz reference. When I viewed this signal on HDSDR it also had 10 Hz spaced sidebands but the first one was greater than 40 dB down from the center. Connecting this as the reference for the Si5338 translates similar results to the synthesized output. This is the configuration I am currently using on the air on 20 meter WSPR with the modified RXTX.

It is a long answer but I am hoping with this level of detail, and given your workplace credentials, you can maybe give me some go/no-go parameters that can be easily measured in determining what phase noise level is acceptable.

In the meantime I am reading everything I can get my hands on regarding phase noise.

Warren Allgyer - 9V1TD/W8TOD

--- In sdr-users@yahoogroups.com, "Phil N8VB" <p.covington@...> wrote:
>
> Hi Warren,
>
> Very interesting project! Have you been able to compare the phase noise of the Si5338 clock generator to the Si570's phase noise? The Si570 has very good random jitter specs for the type of part it is.
>

> According to the datasheet, the random jitter specs of the Si5338 is two to three times worse than the specs of the Si570. I am wondering what you are seeing in a practical application instead of based on reading the datasheet.
>
> Regards,
>
> Philip A Covington
> Software Radio Laboratory LLC
> Columbus, Ohio
> http://www.srl-llc.com
>
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> > It works like a champ! Just be sure to set up the synthesizer for 4X the operating frequency and enjoy GPS frequency precision on your SDR.
> >
> > Warren Allgyer - 9V1TD
> >
>

36. Re: GPS Referenced RXTX for WSPR

Yahoo group: sdr-users
Date: 2013-05-23 00:04:02 UTC
From: warrenallgyer
Topic: 33 Message: 36

I have uploaded two screenshots from the HDSDR spectrum display here:

http://groups.yahoo.com/group/sdr-users/photos/album/163267873/pic/list

One is from the Si5170 onboard the RXTX and the other is from the Si5338 output when driven from the Trimble GPS. Both synthesizers were set to 24 MHz for these measurements.

Clearly the phase noise characteristics are different with the spurious signals being much more dense on the 5338. While the peaks are 50 dB or so below the fundamental in both cases, as I understand phase noise measurements, the 5338 would have much more noise as all of the spurs power would be summed to make the comparison with the fundamental. I am not smart enough to do that!

Warren Allgyer - 9V1TD/W8TOD

--- In sdr-users@yahoogroups.com, "Phil N8VB" <p.covington@...> wrote:
>
> Hi Warren,
>
> Very interesting project! Have you been able to compare the phase noise of the Si5338 clock generator to the Si570's phase noise? The Si570 has very good random jitter specs for the type of part it is.
>
> According to the datasheet, the random jitter specs of the Si5338 is two to three times worse than the specs of the Si570. I am wondering what you are seeing in a practical application instead of based on reading the datasheet.
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> Philip A Covington
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> > I have built a GPS referenced signal generator based on the Si 5338 Evaluation board. By coupling it with a uBlox GPS module that has a programmable, GPS disciplined output, I have four separate outputs, referenced to GPS, each with a programmable frequency range of about 3.0 to 700 MHz.
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> > My goal has been to modify an RXTX to accept one of these programmable outputs,

replacing the onboard Si5170. I wanted to do it in a reversible manner with as little disruption or damage to the board as possible, especially in the prototype.
> >
> > A picture of the prototype is posted here:
> > http://groups.yahoo.com/group/sdr-users/photos/album/163267873/pic/1779345030/view?picmode=&mode=tn&order=ordinal&start=1&count=20&dir=asc
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> > I replicated T1 and R12, along with a SPDT slide switch on a 0.6 x 1.0 in. piece of perf board. I removed C3. A new wire from the T1 side of the C3 holes goes to one pole of the switch. The output of the new T1A goes to the other side, and a new C3 connects the center pole of the switch to the old C3 hole on the output. I picked up a ground on the ground side of the opto isolator. The new RF input is connected to the primary side of the new T1A.
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> > It works like a champ! Just be sure to set up the synthesizer for 4X the operating frequency and enjoy GPS frequency precision on your SDR.
> >
> > Warren Allgyer - 9V1TD
> >
>

37. A photo of 7 (Seven) Beta Slice Receivers w/panadapter & waterfall was upload.

Yahoo group: sdr-users
Date: 2013-05-23 08:03:01 UTC
From: sdr.users
Topic: 37 Message: 37

This picture shows DL3HVH's Open Source cuSDR's software already running 7 x (Seven) Slice Receivers with panadapters and waterfalls in an experiment made several months ago.

Keep watching as very soon Open Source Gigabit per second will be running on all releases OpenHPSDR's PowerSDR mRX, cuSDR and other Open source software.

Imagine, sooner than you think, your tablet will be your SDR transceiver...

Keep tuned!

38. An SDR recording 20 MHz?

Yahoo group: sdr-users
Date: 2013-05-23 08:34:23 UTC
From: Mauno Ritola
Topic: 33 Message: 38

There was info on another list about and SDR, that could record up to 20 MHz span (i.e. the whole FM band) for a price above 3000 euros, but no brand or link was given. Is anyone here familiar with this product?

Thanks,

Mauno

39. Re: A photo of 7 (Seven) Beta Slice Receivers w/panadapter & waterfall was upload.

Yahoo group: sdr-users
Date: 2013-05-23 08:37:38 UTC
From: sdr.users
Topic: 37 Message: 39

http://groups.yahoo.com/group/sdr-users/photos/album/1934389626/pic/673391283/view?picmode=&mode=tn&order=ordinal&start=1&count=20&dir=asc

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>
> This picture shows DL3HVH's Open Source cuSDR's software already running 7 x (Seven) Slice Receivers with panadapters and waterfalls in an experiment made several months ago.
>
> Keep watching as very soon Open Source Gigabit per second will be running on all releases OpenHPSDR's PowerSDR mRX, cuSDR and other Open source software.
>
> Imagine, sooner than you think, your tablet will be your SDR transceiver...
>
> Keep tuned!
>

40. RE: [sdr-users] An SDR recording 20 MHz?

Yahoo group: sdr-users
Date: 2013-05-23 08:49:34 UTC
From: Simon GD4ELI/HB9DRV
Topic: 33 Message: 40

Hi Mauno,

I can think of two options:

. Ettus N210 + WBX board, not cheap!

. bladeRF from www.nuand.com which I'm sure will be direct competition for Ettus.

As soon as the Windows drivers are available for the bladeRF I'll be buying one from: http://www.nuand.com/blog/product/bladerf-x40/ ($420) or http://www.nuand.com/blog/product/bladerf-x115/ ($650). The optional extras make this a very promising VHF / UHF / SHF SDR receiver.

The bladeRF team are very, very highly motivated and also very talented.

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of Mauno Ritola
Sent: 23 May 2013 10:34
To: sdr-users@yahoogroups.com
Subject: [sdr-users] An SDR recording 20 MHz?

There was info on another list about and SDR, that could record up to 20 MHz span (i.e. the whole FM band) for a price above 3000 euros, but no brand or link was given. Is anyone here familiar with this product?

Thanks,

Mauno

41. WoodBoxRadio Tmate 2

Yahoo group: sdr-users
Date: 2013-05-23 09:34:17 UTC
From: Simon GD4ELI/HB9DRV
Topic: 41 Message: 41

Hi All,

This morning my Tmate 2 arrived. This is well-built, it really is a solution for those who want knobs on their SDR radios.

More info and pictures: http://v2.sdr-radio.com/Support/Tmate2.aspx

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

42. Re: [sdr-users] An SDR recording 20 MHz?

Yahoo group: sdr-users
Date: 2013-05-23 10:04:26 UTC
From: Mauno Ritola
Topic: 33 Message: 42

Hi Simon,
thank you. Are current 'normal' computers already effective enough to
record and play back such a frequency span or does require something
special = more expensive?

Mauno

23.5.2013 11:49, Simon GD4ELI/HB9DRV kirjoitti:
>
> Hi Mauno,
>
> I can think of two options:
>
> ?Ettus N210 + WBX board, not cheap!
>
> ?bladeRF from www.nuand.com <http://www.nuand.com> which I'm sure will
> be direct competition for Ettus.
>
> As soon as the Windows drivers are available for the bladeRF I'll be
> buying one from: http://www.nuand.com/blog/product/bladerf-x40/ ($420)
> or http://www.nuand.com/blog/product/bladerf-x115/ ($650). The
> optional extras make this a very promising VHF / UHF / SHF SDR receiver.
>
> The bladeRF team are very, very highly motivated and also very talented.
>
> Simon GD4ELI/HB9DRV
>
> http://v2.sdr-radio.com/
>
> *From:*sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com]
> *On Behalf Of *Mauno Ritola
> *Sent:* 23 May 2013 10:34
> *To:* sdr-users@yahoogroups.com
> *Subject:* [sdr-users] An SDR recording 20 MHz?
>
> There was info on another list about and SDR, that could record up to 20
> MHz span (i.e. the whole FM band) for a price above 3000 euros, but no
> brand or link was given. Is anyone here familiar with this product?
>
> Thanks,
>
> Mauno
>
>

43. RE: [sdr-users] An SDR recording 20 MHz?

Yahoo group: sdr-users
Date: 2013-05-23 10:23:02 UTC
From: Simon GD4ELI/HB9DRV
Topic: 33 Message: 43

Hi,

Speaking for my own code (V2) which is highly optimised with the Intel IPP library I don't expect problems with a chip such as the i5-3570 . I'll buy the bladeRF when it's available so will be able to confirm this.

Remember though that 20MB/s from the radio will be at least 80 MB/s to disk, if writing IEEE 32-bit floats it'll be 160 MB/s, if writing in VITA-49 format it'll be maybe 180 MB/s. It's more likely that this will be a bottleneck.

In fact I think I should be OK with radios delivering 50MBs (yes, there could be one this year).

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of Mauno Ritola

thank you. Are current 'normal' computers already effective enough to record and play back such a frequency span or does require something special = more expensive?

44. Photo of SDR running seven slice receivers w/panadapters and waterfalls.

Yahoo group: sdr-users
Date: 2013-05-23 12:30:38 UTC
From: sdr.users
Topic: 44 Message: 44

Please click on this link: https://sites.google.com/site/thesdrinstitute/sdr-photos to see a photo showing DL3HVH's Open Source cuSDR's software already running 7 x (Seven) Slice Receivers with panadapters and waterfalls.
**Please note: Upper receiver slice is sampling entire receiver from 1Khz to 55Mhz; Lower six receiver slices are sampling the entire 40M, 20M, 10M, 80m, 75m and 160m, each receiver slice with its panadapter and its waterfall.

45. Matchstiq SDR

Yahoo group: sdr-users
Date: 2013-05-23 17:08:34 UTC
From: Simon GD4ELI/HB9DRV
Topic: 45 Message: 45

Yikes, the price!

http://www.rtl-sdr.com/tag/bladerf/ nice and pretty though.

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

46. Re: [sdr-users] An SDR recording 20 MHz?

Yahoo group: sdr-users
Date: 2013-05-23 18:56:30 UTC
From: Mauno Ritola
Topic: 33 Message: 46

Thank you. Yes, I meant from the bottleneck point of view. Writing to
disk was the main problem already with 1600 kHz, esp. to external disk
via USB2.

Please keep us updated.

Mauno

23.5.2013 13:23, Simon GD4ELI/HB9DRV kirjoitti:
>
> Hi,
>
> Speaking for my own code (V2) which is highly optimised with the Intel
> IPP library I don't expect problems with a chip such as the i5-3570 .
> I'll buy the bladeRF when it's available so will be able to confirm this.
>
> Remember though that 20MB/s from the radio will be at least 80 MB/s to
> disk, if writing IEEE 32-bit floats it'll be 160 MB/s, if writing in
> VITA-49 format it'll be maybe 180 MB/s. It's more likely that this
> will be a bottleneck.
>
> In fact I think I should be OK with radios delivering 50MBs (yes,
> there could be one this year).
>
> Simon GD4ELI/HB9DRV
>
> http://v2.sdr-radio.com/
>
> *From:*sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com]
> *On Behalf Of *Mauno Ritola
>
> thank you. Are current 'normal' computers already effective enough to
> record and play back such a frequency span or does require something
> special = more expensive?
>
>

47. Re: [sdr-users] Matchstiq SDR

Yahoo group: sdr-users
Date: 2013-05-23 19:34:48 UTC
From: Henry
Topic: 45 Message: 47

Simon,

Do you know if these gigahertz receivers are direct sampling or do they
use down conversion before direct sampling?

On 24/05/2013 3:08 AM, Simon GD4ELI/HB9DRV wrote:
>
>
> Yikes, the price!
>
> http://www.rtl-sdr.com/tag/bladerf/ nice and pretty though...
>
> Simon GD4ELI/HB9DRV
>
> http://v2.sdr-radio.com/
>
>
>
>

48. Re: [sdr-users] Matchstiq SDR

Yahoo group: sdr-users
Date: 2013-05-23 20:07:50 UTC
From: Alan Hill
Topic: 45 Message: 48

I think the USRP is cheaper with similar specs.
73,
Alan - W6ARH

On Thu, May 23, 2013 at 12:34 PM, Henry <hjrech@...> wrote:

> **
>
>
> Simon,
>
> Do you know if these gigahertz receivers are direct sampling or do they
> use down conversion before direct sampling?
>
>
>
> On 24/05/2013 3:08 AM, Simon GD4ELI/HB9DRV wrote:
>
> Yikes, the price!****
>
> ** **
>
> http://www.rtl-sdr.com/tag/bladerf/ nice and pretty though…****
>
> ** **
>
> Simon GD4ELI/HB9DRV****
>
> http://v2.sdr-radio.com/****
>
> ** **
>
>
>
>
>

49. RE: [sdr-users] Matchstiq SDR

Yahoo group: sdr-users
Date: 2013-05-23 20:16:52 UTC
From: Simon GD4ELI/HB9DRV
Topic: 45 Message: 49

Henry,

I only know what's out there on the web.

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of Henry
Sent: 23 May 2013 21:35
To: sdr-users@yahoogroups.com
Subject: Re: [sdr-users] Matchstiq SDR

Simon,

Do you know if these gigahertz receivers are direct sampling or do they use down conversion before direct sampling?

On 24/05/2013 3:08 AM, Simon GD4ELI/HB9DRV wrote:

Yikes, the price!

http://www.rtl-sdr.com/tag/bladerf/ nice and pretty though.

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

50. Upload of new photo of OpenHPSDR PowerSDR mRX

Yahoo group: sdr-users
Date: 2013-05-23 20:25:47 UTC
From: sdr.users
Topic: 50 Message: 50

Please click on link:
http://groups.yahoo.com/group/sdr-users/photos/album/1256069533/pic/889425595/view?picmode=&mode=tn&order=ordinal&start=1&count=20&dir=asc

51. Re: [sdr-users] Matchstiq SDR

Yahoo group: sdr-users
Date: 2013-05-23 20:50:01 UTC
From: Henry
Topic: 45 Message: 51
Attachments: 1 described; binary payloads are missing from this source WARC

Found the attached file on the Ettus site.

It looks like these receivers are using analogue downconversion into a
direct sampling ADC.

On 24/05/2013 6:16 AM, Simon GD4ELI/HB9DRV wrote:
>
>
> Henry,
>
> I only know what's out there on the web.
>
> Simon GD4ELI/HB9DRV
>
> http://v2.sdr-radio.com/
>
> *From:*sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com]
> *On Behalf Of *Henry
> *Sent:* 23 May 2013 21:35
> *To:* sdr-users@yahoogroups.com
> *Subject:* Re: [sdr-users] Matchstiq SDR
>
> Simon,
>
> Do you know if these gigahertz receivers are direct sampling or do
> they use down conversion before direct sampling?
>
> On 24/05/2013 3:08 AM, Simon GD4ELI/HB9DRV wrote:
>
> Yikes, the price!
>
> http://www.rtl-sdr.com/tag/bladerf/ nice and pretty though...
>
> Simon GD4ELI/HB9DRV
>
> http://v2.sdr-radio.com/
>
>
>
>
>

52. RE: [sdr-users] An SDR recording 20 MHz?

Yahoo group: sdr-users
Date: 2013-05-24 08:26:28 UTC
From: Simon GD4ELI/HB9DRV
Topic: 33 Message: 52

What?

At 1600 kHz the writing bandwidth should be no more than 8 x 1.6 MB/s = 12.8 MB/s assuming 32-bit floating point data or 4 x 1.6 MB/s = 6.4 MBs/ with 16-bit signed integer data.

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of Mauno Ritola

Thank you. Yes, I meant from the bottleneck point of view. Writing to disk was the main problem already with 1600 kHz, esp. to external disk via USB2.

53. Re: [sdr-users] An SDR recording 20 MHz?

Yahoo group: sdr-users
Date: 2013-05-24 08:46:10 UTC
From: Mauno Ritola
Topic: 33 Message: 53

Yes, I think the same was said on perseus_SDR list 5 years ago:
stuttering should not happen even with 1600 kHz files on external disk,
but it did, for most users. It didn't happen using internal disk for
recording and playing back. I still have sometimes troubles with
external disks, with all possible settings checked, esp. with full 8
minute files.

Mauno

24.5.2013 11:26, Simon GD4ELI/HB9DRV kirjoitti:
>
> What?
>
> At 1600 kHz the writing bandwidth should be no more than 8 x 1.6 MB/s
> = 12.8 MB/s assuming 32-bit floating point data or 4 x 1.6 MB/s = 6.4
> MBs/ with 16-bit signed integer data.
>
> Simon GD4ELI/HB9DRV
>
> http://v2.sdr-radio.com/
>
> *From:*sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com]
> *On Behalf Of *Mauno Ritola
>
> Thank you. Yes, I meant from the bottleneck point of view. Writing to
> disk was the main problem already with 1600 kHz, esp. to external disk
> via USB2.
>
>

54. RE: [sdr-users] An SDR recording 20 MHz?

Yahoo group: sdr-users
Date: 2013-05-24 08:54:01 UTC
From: Simon GD4ELI/HB9DRV
Topic: 33 Message: 54

Hi,

Well I'm guessing it's the way the software was written then. Myself I use lots of background threads; I write to disk with large buffers using overlapped I/O so essentially the whole writing process is as efficient as possible.

I have tested with 10MHz bandwidth from an Ettus N210 without any problem.

I wonder what Nico's doing these days? I haven't heard from him in many, many months.

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of Mauno Ritola

Yes, I think the same was said on perseus_SDR list 5 years ago: stuttering should not happen even with 1600 kHz files on external disk, but it did, for most users. It didn't happen using internal disk for recording and playing back. I still have sometimes troubles with external disks, with all possible settings checked, esp. with full 8 minute files.

55. Re: [sdr-users] An SDR recording 20 MHz?

Yahoo group: sdr-users
Date: 2013-05-24 09:16:23 UTC
From: Mauno Ritola
Topic: 33 Message: 55

OK, yes, I must try your software with same bandwidth, same external disk and same USB connector and do comparisons. That sounds good.

Nico: that is the big question. I'd guess, that some big customer has made him such an interesting offer that he couldn't refuse ;-)

Mauno

24.5.2013 11:54, Simon GD4ELI/HB9DRV kirjoitti:
>
> Hi,
>
> Well I'm guessing it's the way the software was written then. Myself I
> use lots of background threads; I write to disk with large buffers
> using overlapped I/O so essentially the whole writing process is as
> efficient as possible.
>
> I have tested with 10MHz bandwidth from an Ettus N210 without any problem.
>
> I wonder what Nico's doing these days? I haven't heard from him in
> many, many months.
>
> Simon GD4ELI/HB9DRV
>
> http://v2.sdr-radio.com/
>
> *From:*sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com]
> *On Behalf Of *Mauno Ritola
>
> Yes, I think the same was said on perseus_SDR list 5 years ago:
> stuttering should not happen even with 1600 kHz files on external
> disk, but it did, for most users. It didn't happen using internal disk
> for recording and playing back. I still have sometimes troubles with
> external disks, with all possible settings checked, esp. with full 8
> minute files.
>
>

56. Re: An SDR recording 20 MHz?

Yahoo group: sdr-users
Date: 2013-05-24 11:26:21 UTC
From: pd0psb@...
Topic: 33 Message: 56

> Nico: that is the big question. I'd guess, that some big customer has
> made him such an interesting offer that he couldn't refuse ;-)

Let's hope it's not related to UWB Powerline technology again ;-)

73
Paul
PD0PSB

57. Re: An SDR recording 20 MHz?

Yahoo group: sdr-users
Date: 2013-05-24 13:07:38 UTC
From: Beppe IK3VIG
Topic: 33 Message: 57

Hi gang....

the last bitstream for ELAD FDM-S1 allow you up to 6MHz spectrum BW.

For a 400,00 Euro Direct Sampl. receiver..... is not bad result !

73 Beppe
ik3vig

woodboxradio.com

58. RE: [sdr-users] Re: An SDR recording 20 MHz?

Yahoo group: sdr-users
Date: 2013-05-24 13:17:05 UTC
From: Simon GD4ELI/HB9DRV
Topic: 33 Message: 58

Beppe,

I don't see this in the spec. of the radio:
http://ecom.eladit.com/FDM-S1-nome-prodotto/en . I am (as usual) confused J
.

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf
Of Beppe IK3VIG
Sent: 24 May 2013 15:08
To: sdr-users@yahoogroups.com
Subject: [sdr-users] Re: An SDR recording 20 MHz?

Hi gang....

the last bitstream for ELAD FDM-S1 allow you up to 6MHz spectrum BW.

For a 400,00 Euro Direct Sampl. receiver..... is not bad result !

73 Beppe
ik3vig

woodboxradio.com

59. Re: An SDR recording 20 MHz?

Yahoo group: sdr-users
Date: 2013-05-24 13:30:21 UTC
From: pd0psb@...
Topic: 33 Message: 59

Hi Simon,

Franco(Elad) is too modest about their products ;-)

Latest dll is 6144, giving at least 5MHz of usable bandwidth.
(Combined with an excellent dynamic range)

See some pics (and more Italian) here:
http://radiodxinfo.blogspot.it/

73
Paul
PD0PSB

--- In sdr-users@yahoogroups.com, "Simon GD4ELI/HB9DRV" <simon@...> wrote:
>
> Beppe,
>
>
>
> I don't see this in the spec. of the radio:
> http://ecom.eladit.com/FDM-S1-nome-prodotto/en . I am (as usual) confused J
> .
>
>
>
> Simon GD4ELI/HB9DRV
>
> http://v2.sdr-radio.com/
>
>
>
> From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf
> Of Beppe IK3VIG
> Sent: 24 May 2013 15:08
> To: sdr-users@yahoogroups.com
> Subject: [sdr-users] Re: An SDR recording 20 MHz?
>
>
>
>
>
>
> Hi gang....
>
> the last bitstream for ELAD FDM-S1 allow you up to 6MHz spectrum BW.
>

> For a 400,00 Euro Direct Sampl. receiver..... is not bad result !
>
> 73 Beppe
> ik3vig
>
> woodboxradio.com
>

60. RE: [sdr-users] Re: An SDR recording 20 MHz?

Yahoo group: sdr-users
Date: 2013-05-24 13:35:59 UTC
From: Simon GD4ELI/HB9DRV
Topic: 33 Message: 60

This is what I don't understand - the website & PDF state 192kHz.

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of pd0psb@...

Franco(Elad) is too modest about their products ;-)

Latest dll is 6144, giving at least 5MHz of usable bandwidth.
(Combined with an excellent dynamic range)

61. Re: [sdr-users] Re: An SDR recording 20 MHz?

Yahoo group: sdr-users
Date: 2013-05-24 15:09:33 UTC
From: Giuseppe Campana
Topic: 33 Message: 61

Hi Simon,

in our site is in"orange bold", in ELAD site.....I don't know why.....
maybe they have no time for commercials.....I'm the "man" :-)

Beppe

Da: Simon GD4ELI/HB9DRV <simon@...>
A: sdr-users@yahoogroups.com
Inviato: Venerdì 24 Maggio 2013 15:17
Oggetto: RE: [sdr-users] Re: An SDR recording 20 MHz?

Beppe,

I don’t see this in the spec. of the radio: http://ecom.eladit.com/FDM-S1-nome-prodotto/en . I am (as usual) confused J.

Simon GD4ELI/HB9DRV
http://v2.sdr-radio.com/

From:sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of Beppe IK3VIG
Sent: 24 May 2013 15:08
To: sdr-users@yahoogroups.com
Subject: [sdr-users] Re: An SDR recording 20 MHz?

Hi gang....

the last bitstream for ELAD FDM-S1 allow you up to 6MHz spectrum BW.

For a 400,00 Euro Direct Sampl. receiver..... is not bad result !

73 Beppe
ik3vig

woodboxradio.com

62. Re: An SDR recording 20 MHz?

Yahoo group: sdr-users
Date: 2013-05-24 15:18:19 UTC
From: pd0psb@...
Topic: 33 Message: 62

> I don't know why.....
> maybe they have no time for commercials.......
> Beppe

That is the exact reason why.
They just released a FMDX/VHF extension device (PDC-V1) for the FDM-S1 and are working on client-server and a thousand other things. FDM-S2 has been mentioned as well.

73
Paul
PD0PSB

63. Announcing the NEW FlexRadioSmartSDR forum

Yahoo group: sdr-users
Date: 2013-05-24 20:40:03 UTC
From: NN4ZZ
Topic: 63 Message: 63

Juan, Congratulations on the success of the new SDR forum. We have also just created a forum for the FLEX SmartSDR users. Anyone here interested in the new FLEX SDR architecture is welcome to join.
Regards, Al / NN4ZZ

There is a new Discussion group is for FLEX radios using the SmartSDR architecture. The new hardware architecture has multiple processors including a Field Programmable Gate Array (FPGA). The FPGA supports direct Digital Down Conversion of the signal and provides tremendous processing power in the radio. SmartSDR is the software running on the radio controlling it all. The user interface is thin client and network connected. Radios currently include the Signature series models 6500 and 6700.

The group is "user owned and operated" and not affiliated with the Flex Radio although employees are encouraged to participate. We understand that Flex Radio is reviewing their existing communications channels and will likely be reorgainizing them in the future. However based on your feedback there is still room for an independant forum. So to everyone interested, please join us and pass along this invitation.

For more information and to join:

http://groups.yahoo.com/group/FlexRadioSmartSDR/

Regards from the group owners/moderators:
Al / NN4ZZ
Jerry / W4UK
Kirk / K6KAR

P.S. Some of you may be aware that there is another 6000 series group but the owner has not been responding to email or member requests. The new group has 3 moderators and will try to provide better user support.

64. Re: [sdr-users] An SDR recording 20 MHz?

Yahoo group: sdr-users
Date: 2013-05-25 10:11:16 UTC
From: Mauno Ritola
Topic: 33 Message: 64

Hi Simon,
it was this:
http://www.signalhound.com/old_sh/BB60A.htm

What do you think?

Thanks,

Mauno

23.5.2013 11:49, Simon GD4ELI/HB9DRV kirjoitti:
>
> Hi Mauno,
>
> I can think of two options:
>
> ?Ettus N210 + WBX board, not cheap!
>
> ?bladeRF from www.nuand.com <http://www.nuand.com> which I'm sure will
> be direct competition for Ettus.
>
> As soon as the Windows drivers are available for the bladeRF I'll be
> buying one from: http://www.nuand.com/blog/product/bladerf-x40/ ($420)
> or http://www.nuand.com/blog/product/bladerf-x115/ ($650). The
> optional extras make this a very promising VHF / UHF / SHF SDR receiver.
>
> The bladeRF team are very, very highly motivated and also very talented.
>
> Simon GD4ELI/HB9DRV
>
> http://v2.sdr-radio.com/
>
> *From:*sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com]
> *On Behalf Of *Mauno Ritola
> *Sent:* 23 May 2013 10:34
> *To:* sdr-users@yahoogroups.com
> *Subject:* [sdr-users] An SDR recording 20 MHz?
>
> There was info on another list about and SDR, that could record up to 20
> MHz span (i.e. the whole FM band) for a price above 3000 euros, but no
> brand or link was given. Is anyone here familiar with this product?
>
> Thanks,
>
> Mauno
>

>

65. RE: [sdr-users] An SDR recording 20 MHz?

Yahoo group: sdr-users
Date: 2013-05-25 10:21:03 UTC
From: Simon GD4ELI/HB9DRV
Topic: 33 Message: 65

I don't think you can use it for demodulation.

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of Mauno Ritola
Sent: 25 May 2013 12:11
To: sdr-users@yahoogroups.com
Subject: Re: [sdr-users] An SDR recording 20 MHz?

Hi Simon,
it was this:
http://www.signalhound.com/old_sh/BB60A.htm

What do you think?

Thanks,

Mauno

23.5.2013 11:49, Simon GD4ELI/HB9DRV kirjoitti:

Hi Mauno,

I can think of two options:

. Ettus N210 + WBX board, not cheap!

. bladeRF from www.nuand.com which I'm sure will be direct competition for Ettus.

As soon as the Windows drivers are available for the bladeRF I'll be buying one from: http://www.nuand.com/blog/product/bladerf-x40/ ($420) or http://www.nuand.com/blog/product/bladerf-x115/ ($650). The optional extras make this a very promising VHF / UHF / SHF SDR receiver.

The bladeRF team are very, very highly motivated and also very talented.

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of Mauno Ritola
Sent: 23 May 2013 10:34
To: sdr-users@yahoogroups.com
Subject: [sdr-users] An SDR recording 20 MHz?

There was info on another list about and SDR, that could record up to 20 MHz span (i.e. the whole FM band) for a price above 3000 euros, but no brand or link was given. Is anyone here familiar with this product?

Thanks,

Mauno

66. Re: [sdr-users] An SDR recording 20 MHz?

Yahoo group: sdr-users
Date: 2013-05-25 10:43:37 UTC
From: Mauno Ritola
Topic: 33 Message: 66

So only for recording and playing back the spectral view? What waste!

Thanks,

Mauno

25.5.2013 13:21, Simon GD4ELI/HB9DRV kirjoitti:
>
> I don't think you can use it for demodulation.
>
> Simon GD4ELI/HB9DRV
>
> http://v2.sdr-radio.com/
>
> *From:*sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com]
> *On Behalf Of *Mauno Ritola
> *Sent:* 25 May 2013 12:11
> *To:* sdr-users@yahoogroups.com
> *Subject:* Re: [sdr-users] An SDR recording 20 MHz?
>
> Hi Simon,
> it was this:
> http://www.signalhound.com/old_sh/BB60A.htm
>
> What do you think?
>
> Thanks,
>
> Mauno
>
> 23.5.2013 11:49, Simon GD4ELI/HB9DRV kirjoitti:
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> Hi Mauno,
>
> I can think of two options:
>
> ?Ettus N210 + WBX board, not cheap!
>
> ?bladeRF from www.nuand.com <http://www.nuand.com> which I'm sure
> will be direct competition for Ettus.
>
> As soon as the Windows drivers are available for the bladeRF I'll
> be buying one from: http://www.nuand.com/blog/product/bladerf-x40/
> ($420) or http://www.nuand.com/blog/product/bladerf-x115/ ($650).
> The optional extras make this a very promising VHF / UHF / SHF SDR
> receiver.

>
> The bladeRF team are very, very highly motivated and also very
> talented.
>
> Simon GD4ELI/HB9DRV
>
> http://v2.sdr-radio.com/
>
> *From:*sdr-users@yahoogroups.com
> <mailto:sdr-users@yahoogroups.com>
> [mailto:sdr-users@yahoogroups.com] *On Behalf Of *Mauno Ritola
> *Sent:* 23 May 2013 10:34
> *To:* sdr-users@yahoogroups.com <mailto:sdr-users@yahoogroups.com>
> *Subject:* [sdr-users] An SDR recording 20 MHz?
>
> There was info on another list about and SDR, that could record up
> to 20
> MHz span (i.e. the whole FM band) for a price above 3000 euros,
> but no
> brand or link was given. Is anyone here familiar with this product?
>
> Thanks,
>
> Mauno
>
>

67. Re: An SDR recording 20 MHz?

Yahoo group: sdr-users
Date: 2013-05-25 11:34:14 UTC
From: john
Topic: 33 Message: 67

There was chat on the Winradio stand at Dayton last week about a new 30MHz DDC recording HF receiver. Hoped to preview in Fredricks next month. Should be interesting, I'll bet it chews up disk space !

John

--- In sdr-users@yahoogroups.com, "Simon GD4ELI/HB9DRV" <simon@...> wrote:
>
> I don't think you can use it for demodulation.
>
>
>
> Simon GD4ELI/HB9DRV
>
> http://v2.sdr-radio.com/
>
>
>
> From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf
> Of Mauno Ritola
> Sent: 25 May 2013 12:11
> To: sdr-users@yahoogroups.com
> Subject: Re: [sdr-users] An SDR recording 20 MHz?
>
>
>
>
>
> Hi Simon,
> it was this:
> http://www.signalhound.com/old_sh/BB60A.htm
>
> What do you think?
>
> Thanks,
>
> Mauno
>
> 23.5.2013 11:49, Simon GD4ELI/HB9DRV kirjoitti:
>
>
>
> Hi Mauno,
>
>

>
> I can think of two options:
>
>
>
> . Ettus N210 + WBX board, not cheap!
>
> . bladeRF from www.nuand.com which I'm sure will be direct
> competition for Ettus.
>
>
>
> As soon as the Windows drivers are available for the bladeRF I'll be buying
> one from: http://www.nuand.com/blog/product/bladerf-x40/ ($420) or
> http://www.nuand.com/blog/product/bladerf-x115/ ($650). The optional extras
> make this a very promising VHF / UHF / SHF SDR receiver.
>
>
>
> The bladeRF team are very, very highly motivated and also very talented.
>
>
>
> Simon GD4ELI/HB9DRV
>
> http://v2.sdr-radio.com/
>
>
>
> From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf
> Of Mauno Ritola
> Sent: 23 May 2013 10:34
> To: sdr-users@yahoogroups.com
> Subject: [sdr-users] An SDR recording 20 MHz?
>
>
>
>
>
> There was info on another list about and SDR, that could record up to 20
> MHz span (i.e. the whole FM band) for a price above 3000 euros, but no
> brand or link was given. Is anyone here familiar with this product?
>
> Thanks,
>
> Mauno
>

68. RE: [sdr-users] Re: An SDR recording 20 MHz?

Yahoo group: sdr-users
Date: 2013-05-25 11:58:51 UTC
From: Simon GD4ELI/HB9DRV
Topic: 33 Message: 68

Let's work it out.

Let's say 16-bit samples, so at 30MHz it'll be 120 megabytes / second or
~135 minutes per terabyte, so a 4 TB disk can hold ~ 10 hours.

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf
Of john
Sent: 25 May 2013 13:34
To: sdr-users@yahoogroups.com
Subject: [sdr-users] Re: An SDR recording 20 MHz?

There was chat on the Winradio stand at Dayton last week about a new 30MHz
DDC recording HF receiver. Hoped to preview in Fredricks next month. Should
be interesting, I'll bet it chews up disk space !

John

--- In sdr-users@yahoogroups.com <mailto:sdr-users%40yahoogroups.com> ,
"Simon GD4ELI/HB9DRV" <simon@...> wrote:
>
> I don't think you can use it for demodulation.
>
>
>
> Simon GD4ELI/HB9DRV
>
> http://v2.sdr-radio.com/
>
>
>
> From: sdr-users@yahoogroups.com <mailto:sdr-users%40yahoogroups.com>
[mailto:sdr-users@yahoogroups.com <mailto:sdr-users%40yahoogroups.com>] On
Behalf
> Of Mauno Ritola
> Sent: 25 May 2013 12:11
> To: sdr-users@yahoogroups.com <mailto:sdr-users%40yahoogroups.com>
> Subject: Re: [sdr-users] An SDR recording 20 MHz?
>
>
>
>
>
> Hi Simon,

> it was this:
> http://www.signalhound.com/old_sh/BB60A.htm
>
> What do you think?
>
> Thanks,
>
> Mauno
>
> 23.5.2013 11:49, Simon GD4ELI/HB9DRV kirjoitti:
>
>
>
> Hi Mauno,
>
>
>
> I can think of two options:
>
>
>
> . Ettus N210 + WBX board, not cheap!
>
> . bladeRF from www.nuand.com which I'm sure will be direct
> competition for Ettus.
>
>
>
> As soon as the Windows drivers are available for the bladeRF I'll be
buying
> one from: http://www.nuand.com/blog/product/bladerf-x40/ ($420) or
> http://www.nuand.com/blog/product/bladerf-x115/ ($650). The optional
extras
> make this a very promising VHF / UHF / SHF SDR receiver.
>
>
>
> The bladeRF team are very, very highly motivated and also very talented.
>
>
>
> Simon GD4ELI/HB9DRV
>
> http://v2.sdr-radio.com/
>
>
>
> From: sdr-users@yahoogroups.com <mailto:sdr-users%40yahoogroups.com>
[mailto:sdr-users@yahoogroups.com <mailto:sdr-users%40yahoogroups.com>] On
Behalf

> Of Mauno Ritola
> Sent: 23 May 2013 10:34
> To: sdr-users@yahoogroups.com <mailto:sdr-users%40yahoogroups.com>
> Subject: [sdr-users] An SDR recording 20 MHz?
>
>
>
>
>
> There was info on another list about and SDR, that could record up to 20
> MHz span (i.e. the whole FM band) for a price above 3000 euros, but no
> brand or link was given. Is anyone here familiar with this product?
>
> Thanks,
>
> Mauno
>

69. RE: [sdr-users] Re: An SDR recording 20 MHz?

Yahoo group: sdr-users
Date: 2013-05-25 12:04:43 UTC
From: Simon GD4ELI/HB9DRV
Topic: 33 Message: 69

.or 9+ hours if your maths is better than mine J

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of Simon GD4ELI/HB9DRV

Let's say 16-bit samples, so at 30MHz it'll be 120 megabytes / second or ~135 minutes per terabyte, so a 4 TB disk can hold ~ 10 hours.

70. RE: [sdr-users] Re: An SDR recording 20 MHz?

Yahoo group: sdr-users
Date: 2013-05-25 12:15:39 UTC
From: Simon GD4ELI/HB9DRV
Topic: 33 Message: 70

John,

This maybe? http://www.winradio.com/home/g528e.htm

I must say I don't really understand what it is.

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of john

There was chat on the Winradio stand at Dayton last week about a new 30MHz DDC recording HF receiver. Hoped to preview in Fredricks next month. Should be interesting, I'll bet it chews up disk space !

71. Re: Photo of SDR running seven slice receivers w/panadapters and waterfalls.

Yahoo group: sdr-users
Date: 2013-05-25 14:35:03 UTC
From: sdr.users
Topic: 44 Message: 71

Hi Alan!

http://groups.yahoo.com/group/sdr-users/photos/album/1934389626/pic/673391283/view?picmode=&mode=tn&order=ordinal&start=1&count=20&dir=asc

Ken Hopper´s Apache Labs ANAN-10.

This picture shows DL3HVH's Open Source cuSDR's software already running in a Beta experiment, some months ago 8 x (Eight) Slice Receivers with panadapters and waterfalls. **Please note: Top upper receiver slice is sampling entire receiver spectrum range from 1Khz to 55Mhz; Next top horizontal receiver slide shows entire 80M band from 3.4Mhz to 3.8Mhz; Lower six receiver slices are sampling the entire each40M, 20M, 10M, 80M, 75M and 160M bands. Each receiver slice has its own panadapter and its own waterfall.
Photo Courtesy of Ken Hopper N9VV.

73

Juan /K4LCD

On 05/25/2013 3:28 AM, The Silver Fox wrote:
>
> Any info on what radio was used to create this photo?
>
> 73,
>
> Alan ☐ W6ARH
>

72. FunCube vs DVB-T stick : FM test

Yahoo group: sdr-users
Date: 2013-05-25 14:36:50 UTC
From: Patrick
Topic: 72 Message: 72

Hello Group !

Have a look at my 'quick and dirty' A/B test on my YouTube Channel :

FunCube Pro+ vs RTL-SDR (DVB-T stick with R820T tuner).
Sensitivity test on FM, near a local transmitter.

http://www.youtube.com/user/aunumero73

Kind regards,
Patrick

73. Flex 5k

Yahoo group: sdr-users
Date: 2013-05-25 14:55:46 UTC
From: Craig Gagner
Topic: 73 Message: 73

Now that Flex is no longer making the 5000 do you think it will open up to allow other software to be modified for use on the 5k ??

I have a fully loaded 5k but I have been following the ANAN 100D closely, might be my next radio, rather than the over priced Flex 6700.

Craig

74. Re: [sdr-users] FunCube vs DVB-T stick : FM test

Yahoo group: sdr-users
Date: 2013-05-25 22:35:48 UTC
From: Tony VK2AJF
Topic: 72 Message: 74

Hi Patrick,

Error message on your videos -"The owner has not made this video available on mobile (devices) ...". Can only be viewed on a PC.

73, Tony VK2AJF

On Sunday, May 26, 2013, Patrick wrote:

> **
>
>
> Hello Group !
>
> Have a look at my 'quick and dirty' A/B test on my YouTube Channel :
>
> FunCube Pro+ vs RTL-SDR (DVB-T stick with R820T tuner).
> Sensitivity test on FM, near a local transmitter.
>
> http://www.youtube.com/user/aunumero73
>
> Kind regards,
> Patrick
>
>
>

--
Sent from Gmail Mobile

75. HiQSDR

Yahoo group: sdr-users
Date: 2013-05-25 23:28:22 UTC
From: priddix
Topic: 75 Message: 75

Under Photos --> G3VBV.

This is a DDC/DUC SDR 160m - 6m rig based on the original N2ADR Transceiver published in QEX.

Jim (N2ADR) provides software and FPGA firmware and quisk Software for the HiQSDR.

Helmut (DB1CC) has further developed the N2ADR Transceiver board using a 4-layer PCB instead of Jim's 2-layer board.

DB1CC has added a Preselector/BPF Filters unit and a plugin 10WPA.

A 100W PA and a case are due shortly.
A smaller case for the 10W HiQSDR is available now.

The 100W case with a large LCD status panel and touch switches etc.

In addition to it's main function as a Transceiver, it functions as a scope and a VNA.

Some time in the future there may be a codec board - being developed by another guy to make it a standalone transceiver.

I have enjoyed quite a number QSO's from 20m - 10m with good reports, as far afield as W7, VK and ZL with 10W and a 2-element Lightning Bolt Quad antenna.

The price, some may consider high but the attention to design and implementation is first rate - no expense spared.

I call the HiQSDR little brother to the openHPSDR Hermes for which I have built RX/TX switching and a 1W PA for Hermes to drive the K5BCQ 20W PA and later to 140W using the AN762 PA that just needs some wiring of the vacuum switches and the EB104 (300W) needs bias adjustments to get it ready.
73 ... Sid.

76. SV: [sdr-users] FunCube vs DVB-T stick : FM test

Yahoo group: sdr-users
Date: 2013-05-25 23:55:20 UTC
From: Tobbe
Topic: 72 Message: 76

Hi,

Worked perfectly on my computer. A pc Thanks for all, I☐ll look at the
other ones later on.

Best regards
Torbjorn in Sweden

Från: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] För Tony
VK2AJF
Skickat: den 26 maj 2013 00:36
Till: sdr-users@yahoogroups.com
Ämne: Re: [sdr-users] FunCube vs DVB-T stick : FM test

Hi Patrick,

Error message on your videos -"The owner has not made this video available
on mobile (devices) ...". Can only be viewed on a PC.

73, Tony VK2AJF

On Sunday, May 26, 2013, Patrick wrote:

Hello Group !

Have a look at my 'quick and dirty' A/B test on my YouTube Channel :

FunCube Pro+ vs RTL-SDR (DVB-T stick with R820T tuner).
Sensitivity test on FM, near a local transmitter.

http://www.youtube.com/user/aunumero73

Kind regards,
Patrick

--
Sent from Gmail Mobile

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2013.0.2904 / Virus Database: 3184/6353 - Release Date: 05/24/13

77. CuSDR or PowerSDR with QS1R?

Yahoo group: sdr-users
Date: 2013-05-26 13:29:53 UTC
From: Kevin M
Topic: 77 Message: 77

Does anyone have any implementation of PowerSDR that will work with the QS1R receiver, or know if it's possible to use CuSDR with it?

73, Kevin AB2ZI

78. Re: [sdr-users] CuSDR or PowerSDR with QS1R?

Yahoo group: sdr-users
Date: 2013-05-26 13:53:56 UTC
From: Ken N9VV
Topic: 77 Message: 78

Hi Kevin,
well the QS1R/QS1E is connected to your computer via USB. The
OpenHPSDR-PowerSDR is written for Ethernet connection to the new Hermes
and Apache Transceivers. Hermann DL3HVH wrote his cuSDRxx for Ethernet
connectivity as well. He used the old SDRMAXIII as a starting point for
his coding, so perhaps it can be modified to connect to the beautiful
QuickSilver products.

Watch for lots of other software developments this year. Perhaps one of
them will have the possibility of reverting to USB connectivity to meet
your needs.

all the best
73 de Ken N9V
--
http://groups.yahoo.com/group/apache-labs/
http://www.apache-labs.com/
Skype ID "Apache-Labs"
[-GMT -5]

On 5/26/2013 8:29 AM, Kevin M wrote:
> Does anyone have any implementation of PowerSDR that will work with the
> QS1R receiver, or know if it's possible to use CuSDR with it?
>
> 73, Kevin AB2ZI
>

79. Re: Flex 5k

Yahoo group: sdr-users
Date: 2013-05-26 15:01:55 UTC
From: Chris
Topic: 73 Message: 79

Hi Craig,

You wrote:

> Now that Flex is no longer making the 5000 do you think it will open up to
> allow other software to be modified for use on the 5k ??

Very unlikely. Flex interfacing is not in the public domain. It would be a technical nightmare. And no financial incentive to do so.

> I have a fully loaded 5k but I have been following the ANAN 100D closely,
> might be my next radio, rather than the over priced Flex 6700.

I already have a 100D. It will take Sherwood or the ARRL (and new measurement tools) to do do the measurements but in practice the word already seems to be that the 100D is in a new league.

I don't think 100D owners will need to feel too inferior when the ham down the road gets his 6700. More a case of "welcome to the club". And we will have more software to choose from.

73, Chris ZL1BOE

80. Re: [sdr-users] CuSDR or PowerSDR with QS1R?

Yahoo group: sdr-users
Date: 2013-05-26 15:03:21 UTC
From: Kevin Morgan
Topic: 77 Message: 80

On 5/26/2013 09:53 AM, Ken N9VV wrote:
> Hi Kevin,
> well the QS1R/QS1E is connected to your computer via USB. The
> OpenHPSDR-PowerSDR is written for Ethernet connection to the new Hermes
> and Apache Transceivers. Hermann DL3HVH wrote his cuSDRxx for Ethernet
> connectivity as well. He used the old SDRMAXIII as a starting point for
> his coding, so perhaps it can be modified to connect to the beautiful
> QuickSilver products.
>
> Watch for lots of other software developments this year. Perhaps one of
> them will have the possibility of reverting to USB connectivity to meet
> your needs.
>
> all the best
> 73 de Ken N9V
Thanks Ken. I had seen a message somewhere that someone had added 4
lines of code to PowerSDR and recompiled it to work with the QS1R. I
find the SDRMAX notch filters difficult to use compared to being able to
just click them on directly in the spectrum like PowerSDR and HPSDR does.

73, Kevin AB2ZI

--
Kevin J. Morgan AB2ZI <kmorgan6@...>

81. RE: [sdr-users] Re: Flex 5k

Yahoo group: sdr-users
Date: 2013-05-26 15:14:58 UTC
From: Craig Gagner
Topic: 73 Message: 81

Thanks for the reply !! Any word on the audio quality with the 100D. I actually use an audio rack with my 5000 and a PR40 mic, I am a little concerned about the mic connection on the ANAN radios. Also what type of TX width can you do with one.

I really enjoy my 5000 but I really like the open stuff, I think it allows for much more development.

73, Craig W1MSG

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of Chris
Sent: Sunday, May 26, 2013 11:02 AM
To: sdr-users@yahoogroups.com
Subject: [sdr-users] Re: Flex 5k

Hi Craig,

You wrote:

> Now that Flex is no longer making the 5000 do you think it will open up to
> allow other software to be modified for use on the 5k ??

Very unlikely. Flex interfacing is not in the public domain. It would be a technical nightmare. And no financial incentive to do so.

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> might be my next radio, rather than the over priced Flex 6700.

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I don't think 100D owners will need to feel too inferior when the ham down the road gets his 6700. More a case of "welcome to the club". And we will have more software to choose from.

73, Chris ZL1BOE

82. Re: [sdr-users] Re: Flex 5k

Yahoo group: sdr-users
Date: 2013-05-26 15:44:30 UTC
From: Ken N9VV
Topic: 73 Message: 82

I have been recorded by K2WS on the 3630 75M LSB ESSB group with my
little ANAN-10 transmitting at 7-8khz. They said my audio was
outstanding. I do not have an Audio Rack nor a Linear Amp, so I was at a
disadvantage. But the Apache will hold it's own with ESSB against any
rig on the market :-) of course there is a 3 band or 10 band equalizer
in OpenHPSDR-PowerSDR, compressor, compandr, etc... just like there is
for the 5000.

GL de Ken N9VV

On 5/26/2013 10:14 AM, Craig Gagner wrote:
> Thanks for the reply !! Any word on the audio quality with the 100D. I
> actually use an audio rack with my 5000 and a PR40 mic, I am a little
> concerned about the mic connection on the ANAN radios. Also what type of
> TX width can you do with one.
>
> I really enjoy my 5000 but I really like the open stuff, I think it
> allows for much more development.
>
> 73, Craig W1MSG
>
> *From:*sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] *On
> Behalf Of *Chris
> *Sent:* Sunday, May 26, 2013 11:02 AM
> *To:* sdr-users@yahoogroups.com
> *Subject:* [sdr-users] Re: Flex 5k
>
> Hi Craig,
>
> You wrote:
>
> > Now that Flex is no longer making the 5000 do you think it will open
> up to
> > allow other software to be modified for use on the 5k ??
>
> Very unlikely. Flex interfacing is not in the public domain. It would be
> a technical nightmare. And no financial incentive to do so.
>
> > I have a fully loaded 5k but I have been following the ANAN 100D closely,
> > might be my next radio, rather than the over priced Flex 6700.
>
> I already have a 100D. It will take Sherwood or the ARRL (and new
> measurement tools) to do do the measurements but in practice the word
> already seems to be that the 100D is in a new league.
>

> I don't think 100D owners will need to feel too inferior when the ham
> down the road gets his 6700. More a case of "welcome to the club". And
> we will have more software to choose from.
>
> 73, Chris ZL1BOE
>
>

--
http://groups.yahoo.com/group/apache-labs/
http://www.apache-labs.com/
Skype ID "Apache-Labs"
[-GMT -5]

83. Re: [sdr-users] Re: Flex 5k

Yahoo group: sdr-users
Date: 2013-05-26 15:48:26 UTC
From: Ken N9VV
Topic: 73 Message: 83

P.S. I used an XLR to USB adapter so I could use my condenser MIC on my PC and pipe the audio through VAC. Reference webpage: http://www.n9vv.com/N9VV-Apache-Labs-Connectors.html

73 de Ken N9VV

On 5/26/2013 10:44 AM, Ken N9VV wrote:
> I have been recorded by K2WS on the 3630 75M LSB ESSB group with my
> little ANAN-10 transmitting at 7-8khz. They said my audio was
> outstanding. I do not have an Audio Rack nor a Linear Amp, so I was at a
> disadvantage. But the Apache will hold it's own with ESSB against any
> rig on the market :-) of course there is a 3 band or 10 band equalizer
> in OpenHPSDR-PowerSDR, compressor, compandr, etc... just like there is
> for the 5000.
>
> GL de Ken N9VV
>
> On 5/26/2013 10:14 AM, Craig Gagner wrote:
>> Thanks for the reply !! Any word on the audio quality with the 100D. I
>> actually use an audio rack with my 5000 and a PR40 mic, I am a little
>> concerned about the mic connection on the ANAN radios. Also what type of
>> TX width can you do with one.
>>
>> I really enjoy my 5000 but I really like the open stuff, I think it
>> allows for much more development.
>>
>> 73, Craig W1MSG
>>
>> *From:*sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] *On
>> Behalf Of *Chris
>> *Sent:* Sunday, May 26, 2013 11:02 AM
>> *To:* sdr-users@yahoogroups.com
>> *Subject:* [sdr-users] Re: Flex 5k
>>
>> Hi Craig,
>>
>> You wrote:
>>
>> > Now that Flex is no longer making the 5000 do you think it will open
>> up to
>> > allow other software to be modified for use on the 5k ??
>>
>> Very unlikely. Flex interfacing is not in the public domain. It would be
>> a technical nightmare. And no financial incentive to do so.
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>> > I have a fully loaded 5k but I have been following the ANAN 100D closely,
>> > might be my next radio, rather than the over priced Flex 6700.
>>
>> I already have a 100D. It will take Sherwood or the ARRL (and new
>> measurement tools) to do do the measurements but in practice the word
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>>
>> I don't think 100D owners will need to feel too inferior when the ham
>> down the road gets his 6700. More a case of "welcome to the club". And
>> we will have more software to choose from.
>>
>> 73, Chris ZL1BOE
>>
>>
>

--
http://groups.yahoo.com/group/apache-labs/
http://www.apache-labs.com/
Skype ID "Apache-Labs"
[-GMT -5]

84. Re: SV: [sdr-users] FunCube vs DVB-T stick : FM test

Yahoo group: sdr-users
Date: 2013-05-26 17:11:21 UTC
From: Patrick
Topic: 72 Message: 84

Hi Group,

It seems the problem is due to copyright... (because of Aretha Franklin's song)
Hence some clips can't be seen on mobile phone. Sorry for that.

Kind regards,
Patrick

85. Can't Decide

Yahoo group: sdr-users
Date: 2013-05-26 20:11:11 UTC
From: Andrew Mason
Topic: 85 Message: 85

What are the major differences between the Apache 100D & the Flex 6700,6500?
73,
Andy

86. Re: [sdr-users] Flex 5k

Yahoo group: sdr-users
Date: 2013-05-26 20:12:14 UTC
From: Alex Netherton
Topic: 73 Message: 86

I think it is fantabulistic that someone in India has produced an SDR radio, but the prices!!! I got a Yaesu FT-950 for less than some of these tiny boxes that require a computer to operate!!! What the.....??? My FT plays on all bands from 160 to 6 with 100 watts, has DSP, and can connect to my computer. I cannot understand $2000 US for something like that. Perhaps I am simply ignorant...
KC4BO

On Sat, May 25, 2013 at 10:55 AM, Craig Gagner <crgagner@...> wrote:

> **
>
>
> Now that Flex is no longer making the 5000 do you think it will open up to
> allow other software to be modified for use on the 5k ?? ****
>
> ** **
>
> I have a fully loaded 5k but I have been following the ANAN 100D closely,
> might be my next radio, rather than the over priced Flex 6700.****
>
> ** **
>
> Craig****
>
> ** **
>
>
>

--
Alex Netherton
http://blueridgediscovery.com

87. RE: [sdr-users] Flex 5k

Yahoo group: sdr-users
Date: 2013-05-26 20:24:48 UTC
From: Simon GD4ELI/HB9DRV
Topic: 73 Message: 87

Alex (or is it Craig),

IMO the best bang for buck is something like the FT-950 with a decent SDR for bandscope and when you need a better receiver.

I'm holding back on the ANAN-100 until it really settles down - hardware doesn't seem ultra-clean at the moment, there's no ATU and there are possible issues running high duty cycle digital modes. I'm tending towards an SDR exciter such as Hermes and my own PA strip. I've been an early adopter far too often.

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of Alex Netherton
Sent: 26 May 2013 22:12
To: sdr-users@yahoogroups.com
Subject: Re: [sdr-users] Flex 5k

I think it is fantabulistic that someone in India has produced an SDR radio, but the prices!!! I got a Yaesu FT-950 for less than some of these tiny boxes that require a computer to operate!!! What the.....??? My FT plays on all bands from 160 to 6 with 100 watts, has DSP, and can connect to my computer. I cannot understand $2000 US for something like that. Perhaps I am simply ignorant...

KC4BO

On Sat, May 25, 2013 at 10:55 AM, Craig Gagner <crgagner@...> wrote:

Now that Flex is no longer making the 5000 do you think it will open up to allow other software to be modified for use on the 5k ??

I have a fully loaded 5k but I have been following the ANAN 100D closely, might be my next radio, rather than the over priced Flex 6700.

Craig

--
Alex Netherton
http://blueridgediscovery.com

88. Re: Flex 5k

Yahoo group: sdr-users
Date: 2013-05-26 20:57:41 UTC
From: rod hart
Topic: 73 Message: 88

How does the ANAN 100D compare to the Flex 5000? I have had a Flex for several years and was about to purchase another when it was discontinued. I need to be much more careful this time.

Rod Hart WA3MEZ

89. RE: [sdr-users] Re: Flex 5k

Yahoo group: sdr-users
Date: 2013-05-26 21:38:00 UTC
From: Simon GD4ELI/HB9DRV
Topic: 73 Message: 89

IMO the ANAN has a more modern hardware design. It'll all boil down to the software.

There will be more SDR transceivers on the market this year.

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of rod hart
Sent: 26 May 2013 22:58
To: sdr-users@yahoogroups.com
Subject: [sdr-users] Re: Flex 5k

How does the ANAN 100D compare to the Flex 5000? I have had a Flex for several years and was about to purchase another when it was discontinued. I need to be much more careful this time.

Rod Hart WA3MEZ

90. Re: Flex 5k

Yahoo group: sdr-users
Date: 2013-05-26 21:58:03 UTC
From: wb4jfi
Topic: 73 Message: 90

Hey Rod, how's it goin? Long time no talk to...

In the long run, I'm convinced that DDC/DUC-based radios like the ANAN and HPSDR, and Flex 6000 series are way better hardware platforms than the QSD/QSE based designs, like the older Flex radios.

Image rejection, LO leakage, and other problem areas for QSD/QSE designs are just not significant in a properly designed DDC/DUC.

The question will be what the software is like that wraps around the hardware. It takes both hardware and software make a complete radio. PowerSDR from Flex is a pretty mature product, it already has a lot of bells and whistles from being around so long. Plus, a lot of the bugs have been worked out. Their new SmartSDR is in its infancy. Quisk and other SDR packages are also nice, but not nearly as complete as PowerSDR - for now.

I sold my Flex 1500 in order to put the down payment on a Flex 6500. I see it as the future. I also have a HiQSDR board that I am building, and am collecting parts for a HPSDR Hermes (like the ANAN base-board). In addition, I have an openHPSDR boardset and case.

DDC/DUC-based radios are more complicated, and generally cost more to reproduce. But, they follow the first tenet of SDR, put the A/D as close to the antenna as possible, and reduce the amount of circuitry in general. Once the RF is converted to digital numbers, it's less likely to be distorted.

Buy an ANAN, or even better, a Flex 6500. The ANAN has more support right now. including a PowerSDR variant, but the Flex 6500 is bleeding edge. Kind of like the old IMSAI days, where the new Z80 CPU board (at 4MHZ!) will make CP/M shine!

But that's just me. I can't wait for my Flex 6500 to show up!
73, Terry, WB4JFI

--- In sdr-users@yahoogroups.com, rod hart <rod.hart@...> wrote:
>
> How does the ANAN 100D compare to the Flex 5000? I have had a Flex for
> several years and was about to purchase another when it was
> discontinued. I need to be much more careful this time.
>
> Rod Hart WA3MEZ
>

91. Re: [sdr-users] Re: Flex 5k

Yahoo group: sdr-users
Date: 2013-05-26 23:43:55 UTC
From: Lee Mushel
Topic: 73 Message: 91

Rod,

I started to look at this myself but before I had spent more than ten minutes on the project I found that if you buy an ANAN 100D today you have to certify to the FCC that you might be liable for any interference you might cause since it has not been "type accepted."

Not that this is anything especially bad but it did lead me to conclude that here we have a complex situation that is way way too early in development for me to want to get seriously involved. I would have thought that this would have been taken care of already and that a U.S. representative would be willing to accept warranty responsibility. I guess not!

Anyway, I simply cannot understand this goofy desire for "leading edge performance" over the 5000A since I know that the typical ham radio antenna/QTH situation makes such concern absolutely meaningless! I strongly suspect that people are worried about only two aspects: I have that much money and can therefore buy it (bragging before the neighbors) and wanting the "very latest." (something that has cost me dearly in my lifetime and is something I don't care to repeat).

73

Lee K9WRU
----- Original Message -----
From: "rod hart" <rod.hart@...>
To: <sdr-users@yahoogroups.com>
Sent: Sunday, May 26, 2013 2:57 PM
Subject: [sdr-users] Re: Flex 5k

> How does the ANAN 100D compare to the Flex 5000? I have had a Flex for
> several years and was about to purchase another when it was
> discontinued. I need to be much more careful this time.
>
> Rod Hart WA3MEZ
>

92. RE: [sdr-users] Re: Flex 5k

Yahoo group: sdr-users
Date: 2013-05-26 23:05:25 UTC
From: The Silver Fox
Topic: 73 Message: 92

Good posting. Reflects some of my thinking as well. I envision a high end stereo system front end coupled with radio shack speakers. That is, you have to have a superior high gain antenna system to enjoy the advantages. This does not mean that I do not believe the multi thousand dollar radios are not superior to the less expensive solutions for the elite.

73,

Alan - W6ARH

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of Lee Mushel
Sent: Sunday, May 26, 2013 4:44 PM
To: sdr-users@yahoogroups.com
Subject: Re: [sdr-users] Re: Flex 5k

Rod,

I started to look at this myself but before I had spent more than ten minutes on the project I found that if you buy an ANAN 100D today you have to certify to the FCC that you might be liable for any interference you might cause since it has not been "type accepted."

Not that this is anything especially bad but it did lead me to conclude that

here we have a complex situation that is way way too early in development for me to want to get seriously involved. I would have thought that this would have been taken care of already and that a U.S. representative would be willing to accept warranty responsibility. I guess not!

Anyway, I simply cannot understand this goofy desire for "leading edge performance" over the 5000A since I know that the typical ham radio antenna/QTH situation makes such concern absolutely meaningless! I strongly suspect that people are worried about only two aspects: I have that much money and can therefore buy it (bragging before the neighbors) and wanting the "very latest." (something that has cost me dearly in my lifetime and is something I don't care to repeat).

73

Lee K9WRU
----- Original Message -----
From: "rod hart" <rod.hart@... <mailto:rod.hart%40verizon.net> >
To: <sdr-users@yahoogroups.com <mailto:sdr-users%40yahoogroups.com> >
Sent: Sunday, May 26, 2013 2:57 PM
Subject: [sdr-users] Re: Flex 5k

> How does the ANAN 100D compare to the Flex 5000? I have had a Flex for
> several years and was about to purchase another when it was
> discontinued. I need to be much more careful this time.
>
> Rod Hart WA3MEZ
>

93. Re: [sdr-users] Re: Flex 5k

Yahoo group: sdr-users
Date: 2013-05-27 01:34:02 UTC
From: Lee Mushel
Topic: 73 Message: 93

Well, Alan, it is comforting to find that I'm not alone here in the wilderness! I do have the 1500, SDR-IQ and the 3000 but only the 5000A has the 32 inch monitor and a retired audio system with woofer, midrange and tweeter. But the most important thing for me was the availability of multiple antennas and a rural location so that I can make use of some of the remarkable features of my radios! I use my Sony studio reference headphones from time to time but given the deafness associated with my left ear that capability of is lesser interest to me. You do have more hair ! I do have interest in weak signal and various digital modes but I firmly believe that being prepared for emergency service means no reliance on telephone, no cell phone and never depending on the internet plus having both battery and alternator power available. Therefore, I have to accept that "the norm" is not for me. And, perhaps, that does mean not fully understanding what is commonly regarded as important. Oh yes, the XYL agrees that being able to cope with EMP is more important than six or seven slices.....

73

Lee K9WRU
----- Original Message -----
From: The Silver Fox
To: sdr-users@yahoogroups.com
Sent: Sunday, May 26, 2013 5:05 PM
Subject: RE: [sdr-users] Re: Flex 5k

Good posting. Reflects some of my thinking as well. I envision a high end stereo system front end coupled with radio shack speakers. That is, you have to have a superior high gain antenna system to enjoy the advantages. This does not mean that I do not believe the multi thousand dollar radios are not superior to the less expensive solutions for the elite.

73,

Alan - W6ARH

From: sdr-users@...m [mailto:sdr-users@yahoogroups.com] On Behalf Of Lee Mushel
Sent: Sunday, May 26, 2013 4:44 PM
To: sdr-users@yahoogroups.com
Subject: Re: [sdr-users] Re: Flex 5k

Rod,

I started to look at this myself but before I had spent more than ten
minutes on the project I found that if you buy an ANAN 100D today you have
to certify to the FCC that you might be liable for any interference you
might cause since it has not been "type accepted."

Not that this i s anything especially bad but it did lead me to conclude that
here we have a complex situation that is way way too early in development
for me to want to get seriously involved. I would have thought that this

would have been taken care of already and that a U.S. representative would be willing to accept warranty responsibility. I guess not!

Anyway, I simply cannot understand this goofy desire for "leading edge performance" over the 5000A since I know that the typical ham radio antenna/QTH situation makes such concern absolutely meaningless! I strongly suspect that people are worried about only two aspects: I have that much money and can therefore buy it (bragging before the neighbors) and wanting the "very latest." (something that has cost me dearly in my lifetime and is something I don't care to repeat).

73

Lee K9WRU
----- Original Message -----
From: "rod hart" <rod.hart@verizon.net>
To: <sdr-users@yahoogroups.com>
Sent: Sunday, May 26, 2013 2:57 PM
Subject: [sdr-users] Re: Flex 5k

> How does the ANAN 100D compare to the Flex 5000? I have had a Flex for
> several years and was about to purchase another when it was
> discontinued. I need to be much more careful this time.
>
> Rod Hart WA3MEZ
>

94. Re: Flex 5k

Yahoo group: sdr-users
Date: 2013-05-27 00:57:21 UTC
From: m_scot_alex
Topic: 73 Message: 94

While I agree that -140 dBm receiver sensitivity isn't useful in a station with a -100 dBm noise floor, there is a lot more to transceiver performance than that measurement alone. "Performance", in the context of a DDC SDR, means excellent adjacent signal performance and the ability to use noise to actually enhance weak signals.

I have gone as far as I can with my antenna system, grounding and noise mitigation. I have tried number of transceivers in an effort to hear things as well has possible, not being content with the rather poor AGC and adjacent signal performance of my Flex 5000. My ANAN-100D, which is not a "prestige" radio by any means, just simply "hears" better than anything else that I have had in my shack. It helps me decode JT-mode signals that my K3 / Navigator combo can't.

There's nothing "goofy" about wanting to, you know...hear stuff.

73,

Mike - N8MSA

--- In sdr-users@yahoogroups.com, "Lee Mushel" <herbert3@...> wrote:

> Anyway, I simply cannot understand this goofy desire for "leading edge
> performance" over the 5000A since I know that the typical ham radio
> antenna/QTH situation makes such concern absolutely meaningless! I
> strongly suspect that people are worried about only two aspects: I have
> that much money and can therefore buy it (bragging before the neighbors)
> and wanting the "very latest." (something that has cost me dearly in my
> lifetime and is something I don't care to repeat).
>
> 73
>
> Lee K9WRU

95. RE: [sdr-users] Flex 5k

Yahoo group: sdr-users
Date: 2013-05-27 01:53:28 UTC
From: Craig Gagner
Topic: 73 Message: 95

I had an FT-950, I added an IF-2000 and LP-Pan. It was amazing how much better the FT-950 was being able to see the band and what was going on. I decided to get a used Flex SDR-1000 and promptly sold the FT-950. For $600 I had a SDR that could hear better and had many more filtering options than the FT-950. Now I have the 5k and it is that much more amazing than the SDR-1000. Things are only progressing and before long you will have stand alone SDR radios no computer required.

I wouldn't use ignorant, maybe uninformed. You should find someone with an SDR and give it a play, I think you will be impressed.

73, Craig W1MSG

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of Alex Netherton
Sent: Sunday, May 26, 2013 4:12 PM
To: sdr-users@yahoogroups.com
Subject: Re: [sdr-users] Flex 5k

I think it is fantabulistic that someone in India has produced an SDR radio, but the prices!!! I got a Yaesu FT-950 for less than some of these tiny boxes that require a computer to operate!!! What the.....??? My FT plays on all bands from 160 to 6 with 100 watts, has DSP, and can connect to my computer. I cannot understand $2000 US for something like that. Perhaps I am simply ignorant...

KC4BO

On Sat, May 25, 2013 at 10:55 AM, Craig Gagner <crgagner@...
<mailto:crgagner@...> > wrote:

Now that Flex is no longer making the 5000 do you think it will open up to allow other software to be modified for use on the 5k ??

I have a fully loaded 5k but I have been following the ANAN 100D closely, might be my next radio, rather than the over priced Flex 6700.

Craig

--
Alex Netherton
http://blueridgediscovery.com

96. Re: [sdr-users] FunCube vs DVB-T stick : FM test

Yahoo group: sdr-users
Date: 2013-05-27 04:15:59 UTC
From: Tony VK2AJF
Topic: 72 Message: 96

Here's a fix for "The owner has not made this video available on mobile .."

Hi Patrick and group,

Sorry for being off topic, but I thought this could be of help to several list members who are having this problem. Thanks Patrick for the videos.

My understanding is that each video owner when uploading a video can give permission for their videos to be played on tablets and phones.

Anyhow if you get this error message here is a 2-click solution. First, view the link in your mobile browser rather than using the Youtube app. Click the Options menu (top LHS bar symbol), click the "Desktop" menu item, near the bottom. Et Voila! Thanks to http://youtu.be/qsdnyFnVA6U.

Cheers ... Tony VK2AJF

On Monday, May 27, 2013, Patrick wrote:

> **
>
>
> Hi Group,
>
> It seems the problem is due to copyright... (because of Aretha Franklin's
> song)
> Hence some clips can't be seen on mobile phone. Sorry for that.
>
> Kind regards,
> Patrick
>
>
>

--
Sent from Gmail Mobile

97. Re: Flex 5k

Yahoo group: sdr-users
Date: 2013-05-27 09:00:13 UTC
From: plebian99
Topic: 73 Message: 97

And again everyone discusses receiver performance and nobody questions the linearity of the transmitters. It seems that the message does not seem to be getting through that real world transmitter performance will ultimately limit the realizable receiver dynamic range. Excuse me hello!

Lets not pull any punches, ham transmitter performance really stinks, and most hams have their head buried in the sand regarding this issue. It seems most SDR users are expecting that SDR software will somehow save their very excellent receivers from poorly designed transmitters in the typical busy bands conditions contest full of key clicks and splatter. Who are we kidding?

When i see a ham SDR transceiver with adaptive pre-distortion being delivered I might become a believer and drink the koolaid. Until that day, SDR receiver performance while having technical merit, is mostly hyperbola in the real world where there is such a gulf in performance difference between transmitter and receiver performance specifications.

Can any SDR manufactfurer brag about their excellent transmitter design? None that I have see so far which can lift the bar of transmitter performance. The only SDR transmitter that is state of the art and producing acceptable IMD performance is the ADAT transceiver. However it looks like this radios development has stopped and is no longer available.

John

--- In sdr-users@yahoogroups.com, "m_scot_alex" <amsctalx@...> wrote:
>
> While I agree that -140 dBm receiver sensitivity isn't useful in a station with a -100 dBm noise floor, there is a lot more to transceiver performance than that measurement alone. "Performance", in the context of a DDC SDR, means excellent adjacent signal performance and the ability to use noise to actually enhance weak signals.
>
> I have gone as far as I can with my antenna system, grounding and noise mitigation. I have tried number of transceivers in an effort to hear things as well has possible, not being content with the rather poor AGC and adjacent signal performance of my Flex 5000. My ANAN-100D, which is not a "prestige" radio by any means, just simply "hears" better than anything else that I have had in my shack. It helps me decode JT-mode signals that my K3 / Navigator combo can't.
>
> There's nothing "goofy" about wanting to, you know...hear stuff.
>
> 73,
>
> Mike - N8MSA
>
> --- In sdr-users@yahoogroups.com, "Lee Mushel" <herbert3@> wrote:
>
> > Anyway, I simply cannot understand this goofy desire for "leading edge

> > performance" over the 5000A since I know that the typical ham radio
> > antenna/QTH situation makes such concern absolutely meaningless! I
> > strongly suspect that people are worried about only two aspects: I have
> > that much money and can therefore buy it (bragging before the neighbors)
> > and wanting the "very latest." (something that has cost me dearly in my
> > lifetime and is something I don't care to repeat).
> >
> > 73
> >
> > Lee K9WRU
>

98. FunCube Dongle Pro+ over network.

Yahoo group: sdr-users
Date: 2013-05-27 09:00:48 UTC
From: relman2000
Topic: 98 Message: 98

Hi everyone,

I hope someone can help me. I originally purchased a cheap RTL based dongle off ebay and having been so happy I upgraded to a Funcube dongle.

However the issue I have is that my shack is located away from where I use my main computer. With the cheap dongle I could use rtl_tcp to stream it over the network to the other PC and using it via SDR Sharp was a dream and I had no issues.

However now that I've purchased the Funcube dongle it doesn't work with the rtl_tcp exe. I've tried using SDR Radio v2 using the server and console app then remotely however I'm not really happy with how much resource it uses on the remote PC which is a file server and not really that high spec.

The only option i've had which works very well is a USB to Network emulator software which allows you to share USB devices and then access them remotely. Having done this I can go back to using SDR Sharp.

I'd like to know if anyone has any good solutions to help me as the USB to network software costs around 80 USD and Ideally I'd like to find another option before handing over my money.

Thanks

Relz

99. RE: [sdr-users] Re: Flex 5k

Yahoo group: sdr-users
Date: 2013-05-27 09:03:26 UTC
From: Simon GD4ELI/HB9DRV
Topic: 73 Message: 99

John,

I agree 100%, this is why I'm holding fire on the purchase of an ANAN. Many Hams are their own worst enemies - there are some *very* bad signals on the bands these days.

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of plebian99

Can any SDR manufactfurer brag about their excellent transmitter design? None that I have see so far which can lift the bar of transmitter performance. The only SDR transmitter that is state of the art and producing acceptable IMD performance is the ADAT transceiver. However it looks like this radios development has stopped and is no longer available.

100. RE: [sdr-users] FunCube Dongle Pro+ over network.

Yahoo group: sdr-users
Date: 2013-05-27 09:04:56 UTC
From: Simon GD4ELI/HB9DRV
Topic: 98 Message: 100

What resources are being used Relz?

You should be OK with a basic single-core ATOM system.

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of relman2000

I've tried using SDR Radio v2 using the server and console app then remotely however I'm not really happy with how much resource it uses on the remote PC which is a file server and not really that high spec.

101. Re: FunCube Dongle Pro+ over network.

Yahoo group: sdr-users
Date: 2013-05-27 09:15:00 UTC
From: relman2000
Topic: 98 Message: 101

I'm using a HP ProLiant G7 N54L 2.2GHz MicroServer. It has 16gb ram but the processor is the limiting factor.

my main issue is what seems to be lag, I am running it over a 1gbit network so I don't know why I'm seeing that. Sometimes I need to turn off and back on the server software for SDR Radio before it lets me reconnect. That is if I tell it to disconnect when closing the software and reloading it later.

I'm using build number 1361. I do seem to get issues when I connect using the console, I get the "Select Radio" screen and I click on my funcube but the Soundcard drop down is empty. This seemed to fix it self somehow, but the issue is back today. I'm leaving everything on defaults and I have the Freq Span to 48kHz. I see most issues around when I select a FM radio station it seems to jitter on that. I've really not had much success.

Thanks

--- In sdr-users@yahoogroups.com, "Simon GD4ELI/HB9DRV" <simon@...> wrote:
>
> What resources are being used Relz?
>
>
>
> You should be OK with a basic single-core ATOM system.
>
>
>
> Simon GD4ELI/HB9DRV
>
> http://v2.sdr-radio.com/
>
>
>
> From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf
> Of relman2000
>
> I've tried using SDR Radio v2 using the server and console app then remotely
> however I'm not really happy with how much resource it uses on the remote PC
> which is a file server and not really that high spec.
>

102. RE: [sdr-users] Re: FunCube Dongle Pro+ over network.

Yahoo group: sdr-users
Date: 2013-05-27 09:28:37 UTC
From: Simon GD4ELI/HB9DRV
Topic: 98 Message: 102

Hi,

Sounds to me like the well-known problem of insufficient USB power. Can you put the dongle on a good powered hub? This should fix it.

A curse on all SDR radios which expect USB power L

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of relman2000
Sent: 27 May 2013 11:15
To: sdr-users@yahoogroups.com
Subject: [sdr-users] Re: FunCube Dongle Pro+ over network.

I'm using a HP ProLiant G7 N54L 2.2GHz MicroServer. It has 16gb ram but the processor is the limiting factor.

my main issue is what seems to be lag, I am running it over a 1gbit network so I don't know why I'm seeing that. Sometimes I need to turn off and back on the server software for SDR Radio before it lets me reconnect. That is if I tell it to disconnect when closing the software and reloading it later.

I'm using build number 1361. I do seem to get issues when I connect using the console, I get the "Select Radio" screen and I click on my funcube but the Soundcard drop down is empty. This seemed to fix it self somehow, but the issue is back today. I'm leaving everything on defaults and I have the Freq Span to 48kHz. I see most issues around when I select a FM radio station it seems to jitter on that. I've really not had much success.

Thanks

--- In sdr-users@yahoogroups.com <mailto:sdr-users%40yahoogroups.com> , "Simon GD4ELI/HB9DRV" <simon@...> wrote:
>
> What resources are being used Relz?
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> You should be OK with a basic single-core ATOM system.
>
>
>
> Simon GD4ELI/HB9DRV
>

> http://v2.sdr-radio.com/
>
>
>
> From: sdr-users@yahoogroups.com <mailto:sdr-users%40yahoogroups.com>
[mailto:sdr-users@yahoogroups.com <mailto:sdr-users%40yahoogroups.com>] On
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> Of relman2000
>
> I've tried using SDR Radio v2 using the server and console app then
remotely
> however I'm not really happy with how much resource it uses on the remote
PC
> which is a file server and not really that high spec.
>

103. Re: [sdr-users] Re: FunCube Dongle Pro+ over network.

Yahoo group: sdr-users
Date: 2013-05-27 09:30:10 UTC
From: Paul Fuller
Topic: 98 Message: 103

Sure. I will purchase one today. I will let you know how I get on.

Sent from my iPhone

On 27 May 2013, at 10:28, "Simon GD4ELI/HB9DRV" <simon@sdr-radio.com> wrote:

> Hi,
>
>
>
> Sounds to me like the well-known problem of insufficient USB power. Can you put the dongle on a good powered hub? This should fix it.
>
>
>
> A curse on all SDR radios which expect USB power L
>
>
>
> Simon GD4ELI/HB9DRV
>
> http://v2.sdr-radio.com/
>
>
>
> From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of relman2000
> Sent: 27 May 2013 11:15
> To: sdr-users@yahoogroups.com
> Subject: [sdr-users] Re: FunCube Dongle Pro+ over network.
>
>
>
>
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> I'm using a HP ProLiant G7 N54L 2.2GHz MicroServer. It has 16gb ram but the processor is the limiting factor.
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> my main issue is what seems to be lag, I am running it over a 1gbit network so I don't know why I'm seeing that. Sometimes I need to turn off and back on the server software for SDR Radio before it lets me reconnect. That is if I tell it to disconnect when closing the software and reloading it later.
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> Thanks
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> --- In sdr-users@yahoogroups.com, "Simon GD4ELI/HB9DRV" <simon@...> wrote:
> >
> > What resources are being used Relz?
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> > From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf
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> > I've tried using SDR Radio v2 using the server and console app then remotely
> > however I'm not really happy with how much resource it uses on the remote PC
> > which is a file server and not really that high spec.
> >
>
>
>

104. RE: [sdr-users] Re: FunCube Dongle Pro+ over network.

Yahoo group: sdr-users
Date: 2013-05-27 09:47:20 UTC
From: Simon GD4ELI/HB9DRV
Topic: 98 Message: 104

Paul,

Make sure it’s a good one which can deliver at least 500ma per port. The dongle seems to be power hungry.

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of Paul Fuller
Sent: 27 May 2013 11:30
To: sdr-users@yahoogroups.com
Subject: Re: [sdr-users] Re: FunCube Dongle Pro+ over network.

Sure. I will purchase one today. I will let you know how I get on.

Sent from my iPhone

On 27 May 2013, at 10:28, "Simon GD4ELI/HB9DRV" <simon@...> wrote:

Hi,

Sounds to me like the well-known problem of insufficient USB power. Can you put the dongle on a good powered hub? This should fix it.

A curse on all SDR radios which expect USB power L

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of relman2000
Sent: 27 May 2013 11:15
To: sdr-users@yahoogroups.com
Subject: [sdr-users] Re: FunCube Dongle Pro+ over network.

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select a FM radio station it seems to jitter on that. I've really not had much success.

Thanks

--- In sdr-users@yahoogroups.com <mailto:sdr-users%40yahoogroups.com> , "Simon GD4ELI/HB9DRV" <simon@...> wrote:
>
> What resources are being used Relz?
>
>
>
> You should be OK with a basic single-core ATOM system.
>
>
>
> Simon GD4ELI/HB9DRV
>
> http://v2.sdr-radio.com/
>
>
>
> From: sdr-users@yahoogroups.com <mailto:sdr-users%40yahoogroups.com> [mailto:sdr-users@yahoogroups.com <mailto:sdr-users%40yahoogroups.com>] On Behalf
> Of relman2000
>
> I've tried using SDR Radio v2 using the server and console app then remotely
> however I'm not really happy with how much resource it uses on the remote PC
> which is a file server and not really that high spec.
>

105. Re: FunCube Dongle Pro+ over network.

Yahoo group: sdr-users
Date: 2013-05-27 10:10:28 UTC
From: pd0psb@...
Topic: 98 Message: 105

Hubs do help here.

Still it is strange.

I asked Howard about current consumption which should be around 160mA, max 200mA if bias-T is used for an external device.

73
Paul
PD0PSB

--- In sdr-users@yahoogroups.com, "Simon GD4ELI/HB9DRV" <simon@...> wrote:
>
> Paul,
>
>
>
> Make sure itâ□□s a good one which can deliver at least 500ma per port. The dongle seems to be power hungry.
>
>
>
> Simon GD4ELI/HB9DRV
>
> http://v2.sdr-radio.com/
>
>
>
> From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of Paul Fuller
> Sent: 27 May 2013 11:30
> To: sdr-users@yahoogroups.com
> Subject: Re: [sdr-users] Re: FunCube Dongle Pro+ over network.
>
>
>
>
>
>
> Sure. I will purchase one today. I will let you know how I get on.
>
> Sent from my iPhone
>
>
> On 27 May 2013, at 10:28, "Simon GD4ELI/HB9DRV" <simon@...> wrote:
>
>
>

> Hi,
>
>
>
> Sounds to me like the well-known problem of insufficient USB power. Can you put the dongle on a good powered hub? This should fix it.
>
>
>
> A curse on all SDR radios which expect USB power L
>
>
>
> Simon GD4ELI/HB9DRV
>
> http://v2.sdr-radio.com/
>
>
>
> From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of relman2000
> Sent: 27 May 2013 11:15
> To: sdr-users@yahoogroups.com
> Subject: [sdr-users] Re: FunCube Dongle Pro+ over network.
>
>
>
>
>
>
> I'm using a HP Pro Liant G7 N54L 2.2GHz MicroServer. It has 16gb ram but the processor is the limiting factor.
>
> my main issue is what seems to be lag, I am running it over a 1gbit network so I don't know why I'm seeing that. Sometimes I need to turn off and back on the server software for SDR Radio before it lets me reconnect. That is if I tell it to disconnect when closing the software and reloading it later.
>
> I'm using build number 1361. I do seem to get issues when I connect using the console, I get the "Select Radio" screen and I click on my funcube but the Soundcard drop down is empty. This seemed to fix it self somehow, but the issue is back today. I'm leaving everything on defaults and I have the Freq Span to 48kHz. I see most issues around when I select a FM radio station it seems to jitter on that. I've really not had much success.
>
> Thanks
>
> --- In sdr-users@yahoogroups.com <mailto:sdr-users%40yahoogroups.com> , "Simon GD4ELI/HB9DRV" <simon@> wrote:
> >
> > What resources are being used Relz?
> >
> >
> >
> > You should be OK with a basic single-core ATOM system.

> >
> >
> >
> > Simon GD4ELI/HB9DRV
> >
> > http://v2.sdr-radio.com/
> >
> >
> >
> > From: sdr-users@yahoogroups.com <mailto:sdr-users%40yahoogroups.com>
[mailto:sdr-users@yahoogroups.com <mailto:sdr-users%40yahoogroups.com>] On Behalf
> > Of relman2000
> >
> > I've tried using SDR Radio v2 using the server and console app then remotely
> > however I'm not really happy with how much resource it uses on the remote PC
> > which is a file server and not really that high spec.
> >
>

106. Re: [sdr-users] Re: Flex 5k

Yahoo group: sdr-users
Date: 2013-05-27 10:35:15 UTC
From: Henry
Topic: 73 Message: 106

John,

I note from reading the material available on the ADAT website (well it used to be there) that the transmitter noise floor seem to be elevated by approx. 10 dB when the adaptive predistortion was engaged.

Do you know anything about this?

On 27/05/2013 7:00 PM, plebian99 wrote:
> When i see a ham SDR transceiver with adaptive pre-distortion being delivered I might become a believer and drink the koolaid. Until that day, SDR receiver performance while having technical merit, is mostly hyperbola in the real world where there is such a gulf in performance difference between transmitter and receiver performance specifications.
>
> Can any SDR manufactfurer brag about their excellent transmitter design? None that I have see so far which can lift the bar of transmitter performance. The only SDR transmitter that is state of the art and producing acceptable IMD performance is the ADAT transceiver. However it looks like this radios development has stopped and is no longer available.
>
> John
>

107. Re: [sdr-users] Re: Flex 5k

Yahoo group: sdr-users
Date: 2013-05-27 11:12:50 UTC
From: jkelly
Topic: 73 Message: 107

Warren, NR0V, who rebuilt NR, AGC, AM amongst other things in OpenHPSDR PowerSDR is working on this now.

http://lists.openhpsdr.org/pipermail/hpsdr-openhpsdr.org/2013-May/020395.html

Jeff

Sent from my iPad

On May 27, 2013, at 5:00 AM, "plebian99" <plebian99@...> wrote:

>
>
> And again everyone discusses receiver performance and nobody questions the linearity of the transmitters. It seems that the message does not seem to be getting through that real world transmitter performance will ultimately limit the realizable receiver dynamic range. Excuse me hello!
>
> Lets not pull any punches, ham transmitter performance really stinks, and most hams have their head buried in the sand regarding this issue. It seems most SDR users are expecting that SDR software will somehow save their very excellent receivers from poorly designed transmitters in the typical busy bands conditions contest full of key clicks and splatter. Who are we kidding?
>
> When i see a ham SDR transceiver with adaptive pre-distortion being delivered I might become a believer and drink the koolaid. Until that day, SDR receiver performance while having technical merit, is mostly hyperbola in the real world where there is such a gulf in performance difference between transmitter and receiver performance specifications.
>
> Can any SDR manufactfurer brag about their excellent transmitter design? None that I have see so far which can lift the bar of transmitter performance. The only SDR transmitter that is state of the art and producing acceptable IMD performance is the ADAT transceiver. However it looks like this radios development has stopped and is no longer available.
>
> John
>
> --- In sdr-users@yahoogroups.com, "m_scot_alex" <amsctalx@...> wrote:
> >
> > While I agree that -140 dBm receiver sensitivity isn't useful in a station with a -100 dBm noise floor, there is a lot more to transceiver performance than that measurement alone. "Performance", in the context of a DDC SDR, means excellent adjacent signal performance and the ability to use noise to actually enhance weak signals.
> >
> > I have gone as far as I can with my antenna system, grounding and noise mitigation. I have tried number of transceivers in an effort to hear things as well has possible, not being content with the rather poor AGC and adjacent signal performance of my Flex 5000. My

ANAN-100D, which is not a "prestige" radio by any means, just simply "hears" better than anything else that I have had in my shack. It helps me decode JT-mode signals that my K3 / Navigator combo can't.
> >
> > There's nothing "goofy" about wanting to, you know...hear stuff.
> >
> > 73,
> >
> > Mike - N8MSA
> >
> > --- In sdr-users@yahoogroups.com, "Lee Mushel" <herbert3@> wrote:
> >
> > > Anyway, I simply cannot understand this goofy desire for "leading edge
> > > performance" over the 5000A since I know that the typical ham radio
> > > antenna/QTH situation makes such concern absolutely meaningless! I
> > > strongly suspect that people are worried about only two aspects: I have
> > > that much money and can therefore buy it (bragging before the neighbors)
> > > and wanting the "very latest." (something that has cost me dearly in my
> > > lifetime and is something I don't care to repeat).
> > >
> > > 73
> > >
> > > Lee K9WRU
> >
>
>

108. Re: [sdr-users] Re: Flex 5k

Yahoo group: sdr-users
Date: 2013-05-27 11:21:07 UTC
From: Chris Wilson
Topic: 73 Message: 108

>

> And again everyone discusses receiver performance and nobody
> questions the linearity of the transmitters. It seems that the
> message does not seem to be getting through that real world
> transmitter performance will ultimately limit the realizable
> receiver dynamic range. Excuse me hello!

> Lets not pull any punches, ham transmitter performance really
> stinks, and most hams have their head buried in the sand regarding
> this issue. It seems most SDR users are expecting that SDR software
> will somehow save their very excellent receivers from poorly
> designed transmitters in the typical busy bands conditions contest
> full of key clicks and splatter. Who are we kidding?

> When i see a ham SDR transceiver with adaptive pre-distortion being
> delivered I might become a believer and drink the koolaid. Until
> that day, SDR receiver performance while having technical merit, is
> mostly hyperbola in the real world where there is such a gulf in
> performance difference between transmitter and receiver performance specifications.

> Can any SDR manufactfurer brag about their excellent transmitter
> design? None that I have see so far which can lift the bar of
> transmitter performance. The only SDR transmitter that is state of
> the art and producing acceptable IMD performance is the ADAT
> transceiver. However it looks like this radios development has
> stopped and is no longer available.

> John

27/05/2013 12:16

Very good point, and thanks for making it. I am a mouse click away
from ordering an Apache Labs product, all that's holding me back is I
want to have 200 watts output, with excellent IMD performance, and
sufficient overhead that that 200 watts is easily deliverable at 100%
duty cycle, key down, without breaking a sweat. I am unable to decide
if the Anan 10 is what I need or just the bare bones Hermes assembled
board. What would you say my options are for getting my desired
output, amplifier wise? It would either have to be pre built, or in
comprehensive kit form. I envisage running a 50 volt power supply,
which I already have. Whatever amp I use would also have to be able to
feed a big valve linear if I should ever want some real QRO, and it
would be mono band, 20 meters. Thanks.

--
Best Regards,

Chris Wilson.

109. Re: [sdr-users] Re: Flex 5k

Yahoo group: sdr-users
Date: 2013-05-27 11:23:53 UTC
From: Chris Wilson
Topic: 73 Message: 109

>
> Warren, NR0V, who rebuilt NR, AGC, AM amongst other things in
> OpenHPSDR PowerSDR is working on this now.

> http://lists.openhpsdr.org/pipermail/hpsdr-openhpsdr.org/2013-May/020395.html

> Jeff

27/05/2013 12:21

Is this software fix for distortion not a kludge, and more applicable
to the Telecoms industry? Should we not be looking at hardware that
doesn't need this, and is run so well within its boundaries as not to
give distortion in the first place? Or am I missing something, like it
will appeal to the marketing people as it may be a cheaper way of
achieving low distortion?

--
Best Regards,
Chris Wilson.

110. Re: Flex 5k

Yahoo group: sdr-users
Date: 2013-05-27 11:28:18 UTC
From: Tim Forrester
Topic: 73 Message: 110

A few comments,

I had an ANAN-10 and loved it so much I upgraded to an ANAN-100D.

I also have an IC-7800 and IC-9100 in the shack for comparative purposes along with lab quality test equipment

I chose to upgrade to the ANAN-100D for a few critical reasons which I don't think have been mentioned so far is this thread

1. Dual coherent diversity reception which allows me to phase out / null local junk - end result better reception than the IC-7800. A huge plus
2. I can use it as a high precision spectrum analyser / VNA plus it has an instantaneous bandwidth of 55MHz - compliments my HP 8561E quite nicely for test purposes.
3. In due course I hope to use pre-distortion on the tx chain to have an ultra clean transmitter to compliment the world class rx performance

Yes it costs $$$ but DDC and DUC with no hardware LO's mixer, filters etc is the way of the future and no doubt will in due course become less expensive than current legacy HW.

73 Tim

G4WIM KT6UK

111. Re: Flex 5k

Yahoo group: sdr-users
Date: 2013-05-27 12:13:03 UTC
From: m_scot_alex
Topic: 73 Message: 111

I am certainly more concerned with receiver performance, irrespective of the radio's architecture, than I am transmitter performance in the context of this discussion, as I can't do anything about someone else's transmission. All I can do is optimize my signal chain.

I'm going to do some IMD and gain compression test on my 100D when I get back from vacation, but my preliminary results are that it's about the same as my K3.

I think that you should, if you haven't already, take a look at Phil Harman VK6APH's TAPR sessions before you comment further. No one, including the developers, are claiming that this architecture is perfect. It's different from the typical hybrid-analog transceiver, and has different capabilities. It's also an open-source project, which means that it was never conceived as replacement for "appliance radios", but rather a way for experimenters (such as myself) to try something different.

I'm not being sarcastic when I ask everyone this question: isn't this supposed to be a hobby for radio experimentation?

Mike - N8MSA

--- In sdr-users@yahoogroups.com, "plebian99" <plebian99@...> wrote:
>
>
>
>
>
>
>
>
>
>
> And again everyone discusses receiver performance and nobody questions the linearity of the transmitters. It seems that the message does not seem to be getting through that real world transmitter performance will ultimately limit the realizable receiver dynamic range. Excuse me hello!
>
> Lets not pull any punches, ham transmitter performance really stinks, and most hams have their head buried in the sand regarding this issue. It seems most SDR users are expecting that SDR software will somehow save their very excellent receivers from poorly designed transmitters in the typical busy bands conditions contest full of key clicks and splatter. Who are we kidding?
>
> When i see a ham SDR transceiver with adaptive pre-distortion being delivered I might become a believer and drink the koolaid. Until that day, SDR receiver performance while having technical merit, is mostly hyperbola in the real world where there is such a gulf in performance difference between transmitter and receiver performance specifications.
>

> Can any SDR manufactfurer brag about their excellent transmitter design? None that I have see so far which can lift the bar of transmitter performance. The only SDR transmitter that is state of the art and producing acceptable IMD performance is the ADAT transceiver. However it looks like this radios development has stopped and is no longer available.
>
> John
>
> --- In sdr-users@yahoogroups.com, "m_scot_alex" <amsctalx@> wrote:
> >
> > While I agree that -140 dBm receiver sensitivity isn't useful in a station with a -100 dBm noise floor, there is a lot more to transceiver performance than that measurement alone. "Performance", in the context of a DDC SDR, means excellent adjacent signal performance and the ability to use noise to actually enhance weak signals.
> >
> > I have gone as far as I can with my antenna system, grounding and noise mitigation. I have tried number of transceivers in an effort to hear things as well has possible, not being content with the rather poor AGC and adjacent signal performance of my Flex 5000. My ANAN-100D, which is not a "prestige" radio by any means, just simply "hears" better than anything else that I have had in my shack. It helps me decode JT-mode signals that my K3 / Navigator combo can't.
> >
> > There's nothing "goofy" about wanting to, you know...hear stuff.
> >
> > 73,
> >
> > Mike - N8MSA
> >
> > --- In sdr-users@yahoogroups.com, "Lee Mushel" <herbert3@> wrote:
> >
> > > Anyway, I simply cannot understand this goofy desire for "leading edge
> > > performance" over the 5000A since I know that the typical ham radio
> > > antenna/QTH situation makes such concern absolutely meaningless! I
> > > strongly suspect that people are worried about only two aspects: I have
> > > that much money and can therefore buy it (bragging before the neighbors)
> > > and wanting the "very latest." (something that has cost me dearly in my
> > > lifetime and is something I don't care to repeat).
> > >
> > > 73
> > >
> > > Lee K9WRU
> >
>

112. Anan Transceivers - some concerns

Yahoo group: sdr-users
Date: 2013-05-27 13:46:06 UTC
From: George Allen
Topic: 73 Message: 112

I have looked at the information about the Anan transceivers and I have a few concerns....merely concerns, not criticism...

1.I note that an FCC form is required. Why is this a requirement and does it have to be sent to the FCC? (the info is probably on the website; but, I must have missed it)

2.The required software:
a.The software development and rollout is independent of the hardware development (is that correct?) This might be an advantage....
b.The software developers have no financial incentive for their efforts...they can quite any time they want

3.Not sure of the stability of the company or the quality of their products.

George
K2CM

113. TEST

Yahoo group: sdr-users
Date: 2013-05-27 14:30:58 UTC
From: Andrew Mason
Topic: 113 Message: 113

New to the reflector, just testing.

114. Re: FunCube Dongle Pro+ over network.

Yahoo group: sdr-users
Date: 2013-05-27 14:35:34 UTC
From: magooslum
Topic: 98 Message: 114

In my opinion the ideal solution would be to have appropriately designed software running on a Raspberry Pi board. If the right people put a little energy into this it could provide a clean solution for under $50. Already people are using the RPi to do similar by connecting a USB webcam and using the built in ethernet port to act bridge video to other computers on a network. Some even run a full blown web server on the RPi, as well, and open the web page up to the world.!

Do a Google search on the term: "raspberry pi sdr server". ZR6AIC seems to have made some headway. Others too.

http://zr6aic.blogspot.com/2013/02/setting-up-my-raspberry-pi-as-sdr-server.html

This can lead one to ponder further possibilities as the RPi has HDMI video and can drive a large LCD monitor as well as a USB mouse, keyboard, etc. I think that a two Raspberry Pi SDR rig is a very realistic possibility. One RPi could handle I/Q interface to the network, as was the topic here, and the other RPi could run the client app where the user interfaces. Now we aren't talking big $$$ for a SDR rig that would be more like the "appliances" that we have been used to.

So perhaps the SDR server using a Raspberry Pi comes first and then when a suitable client app gets ported the two RPi solution would have evolved. So far the energy required to get the client apps going on the RPi are lacking, it seems. If someone knows better I'd love to hear about it.

73, Paul NT7U

--- In sdr-users@yahoogroups.com, "relman2000" <fullerz999@...> wrote:
>
> Hi everyone,
>
> I hope someone can help me. I originally purchased a cheap RTL based dongle off ebay and having been so happy I upgraded to a Funcube dongle.
>
> However the issue I have is that my shack is located away from where I use my main computer. With the cheap dongle I could use rtl_tcp to stream it over the network to the other PC and using it via SDR Sharp was a dream and I had no issues.
>
> However now that I've purchased the Funcube dongle it doesn't work with the rtl_tcp exe. I've tried using SDR Radio v2 using the server and console app then remotely however I'm not really happy with how much resource it uses on the remote PC which is a file server and not really that high spec.
>
> The only option i've had which works very well is a USB to Network emulator software which allows you to share USB devices and then access them remotely. Having done this I can go back to using SDR Sharp.
>

> I'd like to know if anyone has any good solutions to help me as the USB to network software costs around 80 USD and Ideally I'd like to find another option before handing over my money.
>
> Thanks
>
> Relz
>

115. Re: [sdr-users] Re: FunCube Dongle Pro+ over network.

Yahoo group: sdr-users
Date: 2013-05-27 14:48:24 UTC
From: Paul Fuller
Topic: 98 Message: 115

Yes I had seen this and I do own a Raspberry pi which isn't being used at the moment. I had seen on the funcube site that they had it working via a wifi router running openwrt the software used on the PC was run via Linux. As I use windows I didn't really explore this at great length plus the fact I have a file server sitting there which I had used fine with the cheap RTL dongle.

I think it's a lack of software for the funcube that's giving me a headache.

I went a purchased a USB hub today which is powered and it doesn't work with my dongle. I've plugged it in directly to the Server now where as before I had a lead to stop any pressure due to using westflex 103 cable on the ports. It seems to be working now and ill need to buy another hub. Perhaps due to it being a USB 3 hub that caused the problem. I don't know.

Thanks

Paul.

Sent from my iPhone

On 27 May 2013, at 15:42, "magooslum" <magooslum@gmail.com> wrote:

> In my opinion the ideal solution would be to have appropriately designed software running on a Raspberry Pi board. If the right people put a little energy into this it could provide a clean solution for under $50. Already people are using the RPi to do similar by connecting a USB webcam and using the built in ethernet port to act bridge video to other computers on a network. Some even run a full blown web server on the RPi, as well, and open the web page up to the world.!
>
> Do a Google search on the term: "raspberry pi sdr server". ZR6AIC seems to have made some headway. Others too.
>
> http://zr6aic.blogspot.com/2013/02/setting-up-my-raspberry-pi-as-sdr-server.html
>
> This can lead one to ponder further possibilities as the RPi has HDMI video and can drive a large LCD monitor as well as a USB mouse, keyboard, etc. I think that a two Raspberry Pi SDR rig is a very realistic possibility. One RPi could handle I/Q interface to the network, as was the topic here, and the other RPi could run the client app where the user interfaces. Now we aren't talking big $$$ for a SDR rig that would be more like the "appliances" that we have been used to.
>
> So perhaps the SDR server using a Raspberry Pi comes first and then when a suitable client app gets ported the two RPi solution would have evolved. So far the energy required to get the client apps going on the RPi are lacking, it seems. If someone knows better I'd love to hear about it.
>
> 73, Paul NT7U

>
> --- In sdr-users@yahoogroups.com, "relman2000" <fullerz999@...> wrote:
> >
> > Hi everyone,
> >
> > I hope someone can help me. I originally purchased a cheap RTL based dongle off ebay and having been so happy I upgraded to a Funcube dongle.
> >
> > However the issue I have is that my shack is located away from where I use my main computer. With the cheap dongle I could use rtl_tcp to stream it over the network to the other PC and using it via SDR Sharp was a dream and I had no issues.
> >
> > However now that I've purchased the Funcube dongle it doesn't work with the rtl_tcp exe. I've tried using SDR Radio v2 using the server and console app then remotely however I'm not really happy with how much resource it uses on the remote PC which is a file server and not really that high spec.
> >
> > The only option i've had which works very well is a USB to Network emulator software which allows you to share USB devices and then access them remotely. Having done this I can go back to using SDR Sharp.
> >
> > I'd like to know if anyone has any good solutions to help me as the USB to network software costs around 80 USD and Ideally I'd like to find another option before handing over my money.
> >
> > Thanks
> >
> > Relz
> >
>
>

116. Re: [sdr-users] Anan Transceivers - some concerns

Yahoo group: sdr-users
Date: 2013-05-27 15:23:11 UTC
From: Chris Wilson
Topic: 73 Message: 116

>
> I have looked at the information about the Anan transceivers and I
> have a few concerns....merely concerns, not criticism...

> 1. I note that an FCC form is required. Why is this a requirement
> and does it have to be sent to the FCC? (the info is probably on the
> website; but, I must have missed it)

> 2. The required software:
> a. The software development and rollout is independent of the
> hardware development (is that correct?) This might be an advantage....
> b. The software developers have no financial incentive for their
> efforts...they can quite any time they want

> 3. Not sure of the stability of the company or the quality of their products.

> George
> K2CM

27/05/2013 16:16

I think the "stability" of many companies can be questioned in these recessionary times, but they did manage to bring a range of transceivers to the market place using what I assume was their own funding, and didn't take full payments 12 months or so before any product is shipped to customers. That would suggest they have a viable economic model they are working from. Even if the software developers were all struck down with disinterest and idleitis tomorrow, you still have a functional device. Human nature being what it is, I can't see software development ceasing any time soon, at least while the devices are modern and not obsolete. People like "showing off" their skills to their peers, and many just like doing it for the sake of the challenge.

I would personally like to see a UK, or European agent with repair facilities, but I guess with such devices replacement may be more economic to the producers than diagnosis and repair? Being in the UK the FCC stuff doesn't affect or concern me, therefore I am not sure whether your concerns are well founded in the USA.

--
Best Regards,
Chris Wilson.

117. Apache vs Flex 6700

Yahoo group: sdr-users
Date: 2013-05-27 16:15:20 UTC
From: wa9kpz@...
Topic: 117 Message: 117

Can anyone tell me the major differences between the Apache 100D and the Flex 6700, 6500.
Thanks & 73,
Andy

118. Re: [sdr-users] Apache vs Flex 6700

Yahoo group: sdr-users
Date: 2013-05-27 16:23:22 UTC
From: Steven Hess
Topic: 117 Message: 118

Right off the bat on a non technical level the FlexRadio warranty and user support system. Also FlexRadio service and repairs if needed.

On Mon, May 27, 2013 at 9:15 AM, <wa9kpz@...> wrote:

> **
>
>
> Can anyone tell me the major differences between the Apache 100D and the
> Flex 6700, 6500.
> Thanks & 73,
> Andy
>
>
>

119. RE: [sdr-users] Anan Transceivers - some concerns

Yahoo group: sdr-users
Date: 2013-05-27 16:23:25 UTC
From: Simon GD4ELI/HB9DRV
Topic: 73 Message: 119

Chris,

For you and I CE certification is essential. Developing SDR software is interesting; it’s when you get swamped with support issues and many e-mails each morning that the enthusiasm wanes.

PowerSDR (and my own code) is far short of that which could be written with today’s technology, but this does cost. A decent development software environment costs at least $10k, if not more.

Apache is a commercial operation, those employed are paid, I have never received anything for my SDR code. And the S in SDR is *Software* ! IMO Apache should fund development.

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of Chris Wilson

I think the "stability" of many companies can be questioned in these recessionary times, but they did manage to bring a range of transceivers to the market place using what I assume was their own funding, and didn't take full payments 12 months or so before any product is shipped to customers. That would suggest they have a viable economic model they are working from. Even if the software developers were all struck down with disinterest and idleitis tomorrow, you still have a functional device. Human nature being what it is, I can't see software development ceasing any time soon, at least while the devices are modern and not obsolete. People like "showing off" their skills to their peers, and many just like doing it for the sake of the challenge.

I would personally like to see a UK, or European agent with repair facilities, but I guess with such devices replacement may be more economic to the producers than diagnosis and repair? Being in the UK the FCC stuff doesn't affect or concern me, therefore I am not sure whether your concerns are well founded in the USA.

120. Re: [sdr-users] Apache vs Flex 6700

Yahoo group: sdr-users
Date: 2013-05-27 16:31:51 UTC
From: Chris Wilson
Topic: 117 Message: 120

>
> Can anyone tell me the major differences between the Apache 100D and the Flex 6700, 6500.
> Thanks & 73,
> Andy

27/05/2013 17:26

AFAIK one of the main differences is the Flex 6000 series was designed from a plain sheet of paper to be able to operate as a one box transceiever, effectively having its own PC built in. However, from what I can see, this may be feasible for some, but depending on what ancillaries you might want to use with a 6000 series, you may still need a separate PC to make them talk nicely. The 6000 series can, I believe, just have a monitor, keyboard and mose connected and be a complete transceiver.

The 100D needs quite a modern, and powerful, PC to operate it and your chsoen software. Software for the Anan range is written by volunteers, and I don't think any or on the Apache payroll, so they do it whatever personal reasons they may have. Software for the Flex stuff is funded by Flex, and supported by Flex. They are really very different beasts, commercially, although obviously both are "SDR" transceivers and have many operational similarities. One might say price is also a major difference :)

--
Best Regards,
Chris Wilson.

121. Re: [sdr-users] Apache vs Flex 6700

Yahoo group: sdr-users
Date: 2013-05-27 16:34:38 UTC
From: Ken N9VV
Topic: 117 Message: 121

Apache has a standard one year Warranty.
I provide U.S. Customer Support and Repair
at no charge with shipping paid by Apache
in most cases. Customer support is as close
as your FREE Skype call to "Apache-Labs" or
an Illinois phone number 630-445-1194. I
speak English and I am doing my best with
other International languages <g>
--
dit dit de Ken N9VV
http://groups.yahoo.com/group/apache-labs/
http://www.apache-labs.com/
http://www.n9vv.com
Skype ID "Apache-Labs"
[-GMT -5]

On 5/27/2013 11:23 AM, Steven Hess wrote:
> Right off the bat on a non technical level the FlexRadio warranty and
> user support system. Also FlexRadio service and repairs if needed.
>
> On Mon, May 27, 2013 at 9:15 AM, <wa9kpz@...
> <mailto:wa9kpz@...>> wrote:
>
> --
>
> Can anyone tell me the major differences between the Apache 100D and
> the Flex 6700, 6500.
> Thanks & 73,
> Andy
>
>

122. Re: [sdr-users] Anan Transceivers - some concerns

Yahoo group: sdr-users
Date: 2013-05-27 16:37:01 UTC
From: Chris Wilson
Topic: 73 Message: 122

>

> Chris,
>
> For you and I CE certification is essential. Developing SDR
> software is interesting; it’s when you get swamped with support
> issues and many e-mails each morning that the enthusiasm wanes.
>
> PowerSDR (and my own code) is far short of that which could be
> written with today’s technology, but this does cost. A decent
> development software environment costs at least $10k, if not more.
>
> Apache is a commercial operation, those employed are paid, I have
> never received anything for my SDR code. And the S in SDR is
> *Software* ! IMO Apache should fund development.
>
> Simon GD4ELI/HB9DRV
> http://v2.sdr-radio.com/

27/05/2013 17:32

I have never really had cause to wonder how and why you software gurus do what you do. You operate in a world that is mystical and alien to mine, and as an end user with few PC skills I just hope "it works". Only in the last few days have I given thought to how you pay the bills and why you write this amazing stuff. I am not sure if you, or your company makes money from SDR software, and whether it's a part of other software development, (a side line, if you like). I would be interested to know how you guys operate, and what you get out of all this, seemingly potentially head ache inducing merry go round of updates, fixes and general none stop writing :) Kudo to you all, whatever, you do some amazing stuff!

--
Best Regards,
Chris Wilson.

123. RE: [sdr-users] Anan Transceivers - some concerns

Yahoo group: sdr-users
Date: 2013-05-27 16:44:32 UTC
From: Simon GD4ELI/HB9DRV
Topic: 73 Message: 123

Hi Chris,

In my case I finance my ham software through commercial work in the deep, dark world of signals intelligence. I don’t make much money at all but pay my bills and buy dog food, so that covers the essentials J .

I’ll retire this year (I’m 55) and move back to the Isle of Man (hence GD4ELI). To quote Red Dwarf: “The Slime is back”.

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of Chris Wilson

Only in the last few days have I given thought to how you pay the bills and why you write this amazing stuff. I am not sure if you, or your company makes money from SDR software, and whether it's a part of other software development, (a side line, if you like). I would be interested to know how you guys operate, and what you get out of all this, seemingly potentially head ache inducing merry go round of updates, fixes and general none stop writing :) Kudo to you all, whatever, you do some amazing stuff!

124. Re: [sdr-users] Anan Transceivers - some concerns

Yahoo group: sdr-users
Date: 2013-05-27 16:59:22 UTC
From: Chris Wilson
Topic: 73 Message: 124

>

> Hi Chris,
>
> In my case I finance my ham software through commercial work in the
> deep, dark world of signals intelligence. I don’t make much money at
> all but pay my bills and buy dog food, so that covers the essentials J .
>
> I’ll retire this year (I’m 55) and move back to the Isle of Man
> (hence GD4ELI). To quote Red Dwarf: “The Slime is back”.
>
> Simon GD4ELI/HB9DRV
> http://v2.sdr-radio.com/
>

27/05/2013 17:54

As owners of eleven dogs and a large array of other animals, none of which make us any money, please don't mention pet food :)

You say you work "properly" <VBG> in the world of signals intelligence? You may be able to answer a question a friend and I were discussing the other day. What is the latest mil spec receiver to be available surplus, "on the streets"? Example, something like a Racal RA1792, but more modern? I believe the military are heading, or have already headed to SDR for the majority of their gear?

Thanks Simon, retirement at 55 sounds a dream, have gone past there, and no sign of pipe and slippers yet... :(

--
Best Regards,
Chris Wilson.

125. RE: [sdr-users] Anan Transceivers - some concerns

Yahoo group: sdr-users
Date: 2013-05-27 17:02:56 UTC
From: Simon GD4ELI/HB9DRV
Topic: 73 Message: 125

Hi Chris,

I have no idea what receivers will hit the streets ex-GCHQ. I know what’s being developed…

You can buy better for < $1k.

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of Chris Wilson

What is the latest mil spec receiver to be
available surplus, "on the streets"? Example, something like a Racal
RA1792, but more modern? I believe the military are heading, or have
already headed to SDR for the majority of their gear?

126. Re: Apache vs Flex 6700

Yahoo group: sdr-users
Date: 2013-05-27 19:54:54 UTC
From: Chris
Topic: 117 Message: 126

Hi Chris and All,

The major <hardware> differences between the Apache 100D and the Flex 6700?

To my laymans eye practically no difference at all!

Both seem to be DDC/DUC latest generation designs with dual advanced A-D converters and powerful FPGA's. Both have good and flexible arrays of low and high pass filters. I think both use the same PA transistors? The 6700 may have an additional internal processor but the 100D FPGA can run an internal software processor.

It is true that the 6700 ADC's are somewhat faster. And maybe the 6700 FPGA is a tad more powerful?

And both vendors lower cost models (100 and 6500) omit the second ADC (RX).

Now the software approaches. Flex clearly decided from day one to focus on maximum use of the FPGA to do the heavy SDR processing stuff internally. And minimise the external PC resident software - "thin client"

The HPSDR fraternity have concentrated using the existing Power SDR software and tolerating higher usage of the Ethernet link between PC and the radio box. This is why the 100/100D have been able to steal a march on Flex, pop up seemingly from nowhere and offer working systems from day one. While Flex are still - seemingly - working through the greater challenges of their approach.

However, as I perceive it, Apache and the HPSDR fraternity actually have more "flexibilty" than Flex for the future. HPSDR are free in future to pursue much more intensive utilization of their FPGA and do most if not all of what Flex are now doing. Leading to the 100D being a "thin client" radio in future. But Apache/HPSDR have some other options, they have other software platforms in the wings like cuSDR and others which are using amazing new approaches to actually do more things in the PC such as fast parallel processing on the video card, etc. And there are other options also - such as adding an external (hardware) mini or even micro PC server at the radio end.

To sum up, both Flex and Apache/HPSDR are destined in the near future to turn things upside down for the hardware radio folk like and make the present ARRL and Sherwood league tables look quite different.

We SDR fans live interesting times.

73, Chris ZL1BOE

--- In sdr-users@yahoogroups.com, Chris Wilson <chris@...> wrote:
>
>
>
> >

> > Can anyone tell me the major differences between the Apache 100D and the Flex 6700, 6500.
> > Thanks & 73,
> > Andy
>
>
>
> 27/05/2013 17:26
>
> AFAIK one of the main differences is the Flex 6000 series was designed
> from a plain sheet of paper to be able to operate as a one box
> transceiever, effectively having its own PC built in. However, from
> what I can see, this may be feasible for some, but depending on what
> ancillaries you might want to use with a 6000 series, you may still
> need a separate PC to make them talk nicely. The 6000 series can, I
> believe, just have a monitor, keyboard and mose connected and be a
> complete transceiver.
>
> The 100D needs quite a modern, and powerful, PC to operate it and your
> chsoen software. Software for the Anan range is written by volunteers,
> and I don't think any or on the Apache payroll, so they do it whatever
> personal reasons they may have. Software for the Flex stuff is funded
> by Flex, and supported by Flex. They are really very different beasts,
> commercially, although obviously both are "SDR" transceivers and have
> many operational similarities. One might say price is also a major
> difference :)
>
> --
> Best Regards,
> Chris Wilson.
>

127. RE: [sdr-users] Re: Apache vs Flex 6700

Yahoo group: sdr-users
Date: 2013-05-27 20:03:05 UTC
From: Simon GD4ELI/HB9DRV
Topic: 117 Message: 127

IMO the Flex approach is required commercially, the Apache approach is better suited to ham needs.

Shame we can't reprogram users J .

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of Chris

To sum up, both Flex and Apache/HPSDR are destined in the near future to turn things upside down for the hardware radio folk like and make the present ARRL and Sherwood league tables look quite different.

128. Re: [sdr-users] Re: Apache vs Flex 6700

Yahoo group: sdr-users
Date: 2013-05-27 20:11:06 UTC
From: Daniel C. Baral
Topic: 117 Message: 128

Was just about to send the same message...Although there may be some more Flex -ibility, the Apache is more suited for the hobbyist. Without having had my hands on the radio or actually having seen the Flex 6000 up close, it appears to be over-designed in many ways for typical ham use. Look at the size of the coils and placement of components, the use of relays instead of mixers, I have a hunch that the Flex-6000 series is really designed for commercial use, but is getting a launch via the ham market. This does not take into consideration thinks like MilSpec, etc, but the Flex radio does appear to be over-designed for ham use. This also explains the higher price compared to Apache...I may be wrong?
Daniel w3dcb ----- Original Message -----
|
| IMO the Flex approach is required commercially, the Apache approach is
| better suited to ham needs.
|
| Shame we can’t reprogram users J .
|
| Simon GD4ELI/HB9DRV
| http://v2.sdr-radio.com/
|
| From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On
| Behalf Of Chris
| To sum up, both Flex and Apache/HPSDR are destined in the near future
| to turn things upside down for the hardware radio folk like and make
| the present ARRL and Sherwood league tables look quite different.
|

129. Re: Apache vs Flex 6700

Yahoo group: sdr-users
Date: 2013-05-27 20:25:19 UTC
From: m_scot_alex
Topic: 117 Message: 129

This is similar to what I posted, in that the OpenHPSDR / Apache Labs system is an experimental, hobbyist-oriented system.

And I agree with a statement that I you made a little earlier; Apache should, at a minimum, fund software development if this is to be anything more than a one-shot effort. I know this entire model is being sorted, but I would be happy to help fund development for more robust, and well-commented code for this platform. Especially from you :)

Mike - N8MSA

--- In sdr-users@yahoogroups.com, "Simon GD4ELI/HB9DRV" <simon@...> wrote:
>
> IMO the Flex approach is required commercially, the Apache approach is
> better suited to ham needs.
>
>
>
> Shame we can't reprogram users J .
>
>
>
> Simon GD4ELI/HB9DRV
>
> http://v2.sdr-radio.com/
>
>
>
> From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf
> Of Chris
>
> To sum up, both Flex and Apache/HPSDR are destined in the near future to
> turn things upside down for the hardware radio folk like and make the
> present ARRL and Sherwood league tables look quite different.
>

130. Re: [sdr-users] Apache vs Flex 6700

Yahoo group: sdr-users
Date: 2013-05-27 20:26:12 UTC
From: Mickey Baker
Topic: 117 Message: 130

There are specifications published, so you can readily discern the differences in hardware...

The big difference is that FlexRadio systems is selling integrated software and support for the amateur radio community... the folks who buy radios to use as tools.

Apache Labs seems to be selling a hardware platform for user-supported software... which isn't bad, it's just different.

Here's a good discussion on Mike, N8MSA's blog. Mike, if you're reading, thanks for the article. It was written April 1, so...
http://n8msa.blogspot.com/2013/04/why-i-ordered-anan-100d-part-3.html

Mickey N4MB

On Mon, May 27, 2013 at 12:15 PM, <wa9kpz@...> wrote:

> **
>
>
> Can anyone tell me the major differences between the Apache 100D and the
> Flex 6700, 6500.
> Thanks & 73,
> Andy
>
>
>

--
Mickey Baker, N4MB
Fort Lauderdale, FL
*“Tell me, and I will listen. Show me, and I will understand. Involve me, and I will learn.” *Teton Lakota, American Indian Saying.

135. Re: Flex 5k

Yahoo group: sdr-users
Date: 2013-05-28 09:14:29 UTC
From: plebian99
Topic: 73 Message: 135

Hi Henry

No, I dont. I do believe that when pre-distortion is used there is tradeoff between close in, wide band IMD and noise products.

In the context of this argument a 10 db rise in the noise seems to be a miniscule tradeoff considering what the typical IMD performance is of the average ham transceiver.

I would think that a 10db rise in the noise floor might only be a issue for line of site VHF operators during contests where it is very common to hear phase noise and other spurious products from other transmitters.

HF pre-distortion is not widely used and there is little data available for these transmitters on HF.

John
--- In sdr-users@yahoogroups.com, Henry <hjrech@...> wrote:
>
> John,
>
> I note from reading the material available on the ADAT website (well it
> used to be there) that the transmitter noise floor seem to be elevated
> by approx. 10 dB when the adaptive predistortion was engaged.
>
> Do you know anything about this?
>
>
>
>
> On 27/05/2013 7:00 PM, plebian99 wrote:
> > When i see a ham SDR transceiver with adaptive pre-distortion being delivered I might become a believer and drink the koolaid. Until that day, SDR receiver performance while having technical merit, is mostly hyperbola in the real world where there is such a gulf in performance difference between transmitter and receiver performance specifications.
> >
> > Can any SDR manufactfurer brag about their excellent transmitter design? None that I have see so far which can lift the bar of transmitter performance. The only SDR transmitter that is state of the art and producing acceptable IMD performance is the ADAT transceiver. However it looks like this radios development has stopped and is no longer available.
> >
> > John
> >
>

136. Re: Flex 5k

Yahoo group: sdr-users
Date: 2013-05-28 09:31:12 UTC
From: plebian99
Topic: 73 Message: 136

There are other approaches that can be taken. Look at the IMD performance that AC2IQ has achieved with his hardware PA linearization? scheme.

http://www.qrz.com/db/AC2IQ

John
--- In sdr-users@yahoogroups.com, Chris Wilson <chris@...> wrote:
>
>
>
> >
> > Warren, NR0V, who rebuilt NR, AGC, AM amongst other things in
> > OpenHPSDR PowerSDR is working on this now.
>
> > http://lists.openhpsdr.org/pipermail/hpsdr-openhpsdr.org/2013-May/020395.html
>
> > Jeff
>
>
>
> 27/05/2013 12:21
>
> Is this software fix for distortion not a kludge, and more applicable
> to the Telecoms industry? Should we not be looking at hardware that
> doesn't need this, and is run so well within its boundaries as not to
> give distortion in the first place? Or am I missing something, like it
> will appeal to the marketing people as it may be a cheaper way of
> achieving low distortion?
>
> --
> Best Regards,
> Chris Wilson.
>

137. TAPR Hermes, PA Needed

Yahoo group: sdr-users
Date: 2013-05-28 09:37:47 UTC
From: Simon GD4ELI/HB9DRV
Topic: 137 Message: 137

So here's a question: I have a TAPR Hermes, boxed, ready to start programming. Once the programming is done and I've moved house I would like to put it on the air, but what about a PA strip?

Any suggestions for a clean PA solution with output between 50W and 200W ? Off the shelf if possible. If I don't find a decent solution I'll dig out some valve holders.

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

138. Re: [sdr-users] TAPR Hermes, PA Needed

Yahoo group: sdr-users
Date: 2013-05-28 12:15:12 UTC
From: Chris Wilson
Topic: 137 Message: 138

>

> So here?s a question: I have a TAPR Hermes, boxed, ready to start
> programming. Once the programming is done and I?ve moved house I
> would like to put it on the air, but what about a PA strip?
>
> Any suggestions for a clean PA solution with output between 50W and
> 200W ? Off the shelf if possible. If I don?t find a decent solution I?ll dig out some valve holders?
>
> Simon GD4ELI/HB9DRV
> http://v2.sdr-radio.com/

28/05/2013 13:11

This is PRECISELY what I was after, but not seeing any nice kits or commercially produced amps able to go from mW to 200 Watts I am erring more to buying an Anan 10, rather than a Hermes, and running it at about 4 Watts and building a Communications Concepts EB104 amp as a 2nd PA. If anyone does know of an elegant and efficient way of getting 200 Watts very low IMD from a Hermes exciter, preferably from a 50 volt amp, I would love to know what you have found.

The amp is at:
http://www.communication-concepts.com/index.php/amplifiers/eb104.html

--
Best Regards,
Chris Wilson.

139. Re: [sdr-users] Apache vs Flex 6700

Yahoo group: sdr-users
Date: 2013-05-28 16:19:22 UTC
From: Ken N9VV
Topic: 117 Message: 139

Hi Simon, this is the only official statement that Apache Labs LLC
has issued about FCC compliance. It is from my User Guide first
page.

Apache Labs LLC, Inc.

Declarations of Conformity

The ANAN-100/D complies with FCC Part 97 rules for the Amateur Radio
Service.

It has been confirmed by the relevant authorities that the
ANAN-10/100/100D DO NOT require FCC certification of any sort
Under rule 97 Amateur radio equipment with the exception of amplifiers
and scanning receivers are exempt from certification, however, must
conform to rule 97 which states that harmonic and spurious emissions
must be below 43dB of the transmitted out up to 30MHz and 60dB beyond that.
---

de Ken N9VV
--
http://groups.yahoo.com/group/apache-labs/
http://www.apache-labs.com/
Skype ID "Apache-Labs"
[-GMT -5]

On 5/28/2013 12:45 AM, Simon GD4ELI/HB9DRV wrote:
> Ken,
>
> Why doesn't Apache hardware come with the FCC and CE type approval? I've
> seen what is required to gain this with companies in Switzerland and the US
> - it is expensive. How are Apache able to bypass this approval - has it been
> relaxed?
>

140. Re: An SDR recording 20 MHz?

Yahoo group: sdr-users
Date: 2013-05-28 17:07:33 UTC
From: john
Topic: 33 Message: 140

Well you are correct Simon, I heard 160 mbps. But professional guys use parallel Raid arrays, 4TB is not so much. The big guys record even more than 30MHz. And 10 hours is enough for most, it will need analysis anyway.
It also allows multiple dispersed demodulators it seems. Let us see at the show, maybe it will not make it!

John

--- In sdr-users@yahoogroups.com, "Simon GD4ELI/HB9DRV" <simon@...> wrote:
>
> Let's work it out.
>
>
>
> Let's say 16-bit samples, so at 30MHz it'll be 120 megabytes / second or
> ~135 minutes per terabyte, so a 4 TB disk can hold ~ 10 hours.
>
>
>
> Simon GD4ELI/HB9DRV
>
> http://v2.sdr-radio.com/
>
>
>
> From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf
> Of john
> Sent: 25 May 2013 13:34
> To: sdr-users@yahoogroups.com
> Subject: [sdr-users] Re: An SDR recording 20 MHz?
>
>
>
>
>
>
> There was chat on the Winradio stand at Dayton last week about a new 30MHz
> DDC recording HF receiver. Hoped to preview in Fredricks next month. Should
> be interesting, I'll bet it chews up disk space !
>
> John
>
> --- In sdr-users@...m <mailto:sdr-users%40yahoogroups.com> ,
> "Simon GD4ELI/HB9DRV" <simon@> wrote:
> >
> > I don't think you can use it for demodulation.

> >
> >
> >
> > Simon GD4ELI/HB9DRV
> >
> > http://v2.sdr-radio.com/
> >
> >
> >
> > From: sdr-users@yahoogroups.com <mailto:sdr-users%40yahoogroups.com>
> [mailto:sdr-users@yahoogroups.com <mailto:sdr-users%40yahoogroups.com>] On
> Behalf
> > Of Mauno Ritola
> > Sent: 25 May 2013 12:11
> > To: sdr-users@yahoogroups.com <mailto:sdr-users%40yahoogroups.com>
> > Subject: Re: [sdr-users] An SDR recording 20 MHz?
> >
> >
> >
> >
> >
> > Hi Simon,
> > it was this:
> > http://www.signalhound.com/old_sh/BB60A.htm
> >
> > What do you think?
> >
> > Thanks,
> >
> > Mauno
> >
> > 23.5.2013 11:49, Simon GD4ELI/HB9DRV kirjoitti:
> >
> >
> >
> > Hi Mauno,
> >
> >
> >
> > I can think of two options:
> >
> >
> >
> > . Ettus N210 + WBX board, not cheap!
> >
> > . bladeRF from www.nuand.com which I'm sure will be direct
> > competition for Ettus.
> >
> >
> >

> > As soon as the Windows drivers are available for the bladeRF I'll be
> buying
> > one from: http://www.nuand.com/blog/product/bladerf-x40/ ($420) or
> > http://www.nuand.com/blog/product/bladerf-x115/ ($650). The optional
> extras
> > make this a very promising VHF / UHF / SHF SDR receiver.
> >
> >
> >
> > The bladeRF team are very, very highly motivated and also very talented.
> >
> >
> >
> > Simon GD4ELI/HB9DRV
> >
> > http://v2.sdr-radio.com/
> >
> >
> >
> > From: sdr-users@yahoogroups.com <mailto:sdr-users%40yahoogroups.com>
> [mailto:sdr-users@yahoogroups.com <mailto:sdr-users%40yahoogroups.com>] On
> Behalf
> > Of Mauno Ritola
> > Sent: 23 May 2013 10:34
> > To: sdr-users@yahoogroups.com <mailto:sdr-users%40yahoogroups.com>
> > Subject: [sdr-users] An SDR recording 20 MHz?
> >
> >
> >
> >
> >
> > There was info on another list about and SDR, that could record up to 20
> > MHz span (i.e. the whole FM band) for a price above 3000 euros, but no
> > brand or link was given. Is anyone here familiar with this product?
> >
> > Thanks,
> >
> > Mauno
> >
>

141. Re: An SDR recording 20 MHz?

Yahoo group: sdr-users
Date: 2013-05-28 17:10:03 UTC
From: john
Topic: 33 Message: 141

The spec sheet calls it a G35DDC. Looking at G528e is is simply the superhet down converting front end of a receiver, I guess u add your own digi bits.

John

--- In sdr-users@yahoogroups.com, "Simon GD4ELI/HB9DRV" <simon@...> wrote:
>
> John,
>
>
>
> This maybe? http://www.winradio.com/home/g528e.htm
>
>
>
> I must say I don't really understand what it is.
>
>
>
> Simon GD4ELI/HB9DRV
>
> http://v2.sdr-radio.com/
>
>
>
> From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf
> Of john
>
> There was chat on the Winradio stand at Dayton last week about a new 30MHz
> DDC recording HF receiver. Hoped to preview in Fredricks next month. Should
> be interesting, I'll bet it chews up disk space !
>

142. RE: [sdr-users] Re: An SDR recording 20 MHz?

Yahoo group: sdr-users
Date: 2013-05-28 17:12:23 UTC
From: Simon GD4ELI/HB9DRV
Topic: 33 Message: 142

There's a radio coming out with (wait for it) 250 MHz of bandwidth, so we're talking 1 gigabyte per second!

I'll need an ice-cooled system to handle that one!

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of john

Well you are correct Simon, I heard 160 mbps. But professional guys use parallel Raid arrays, 4TB is not so much. The big guys record even more than 30MHz. And 10 hours is enough for most, it will need analysis anyway.

143. RE: [sdr-users] Re: An SDR recording 20 MHz?

Yahoo group: sdr-users
Date: 2013-05-28 17:17:34 UTC
From: Craig Gagner
Topic: 33 Message: 143

I may be missing something but what is the need for recording amateur radio in this format ???

73, Craig W1MSG

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of Simon GD4ELI/HB9DRV
Sent: Tuesday, May 28, 2013 1:12 PM
To: sdr-users@yahoogroups.com
Subject: RE: [sdr-users] Re: An SDR recording 20 MHz?

There's a radio coming out with (wait for it) 250 MHz of bandwidth, so we're talking 1 gigabyte per second!

I'll need an ice-cooled system to handle that one!

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

144. RE: [sdr-users] Re: An SDR recording 20 MHz?

Yahoo group: sdr-users
Date: 2013-05-28 17:32:58 UTC
From: Curt, WE7U
Topic: 33 Message: 144

On Tue, 28 May 2013, Craig Gagner wrote:

> I may be missing something but what is the need for recording amateur radio
> in this format ???

I can think of a few right off the bat:

Contesting: Can record the whole contest and have people sort through afterwards to try to claim a few more contacts that may have completed the contest QSO.

Overview of bands: Can process the entire passband of the radio and show you where signals are, basically a spectrum analyzer sort of view. This is VERY useful!

FCC/Regulatory Agencies: Can record an entire spectrum for a period of time and decode signals when found out-of-band or using some modulation methods/power that are not allowed within their license.

Decoding multiple signals at once, potentially across many "bands" as we now know them on conventional radios. For instance decoding _all_ CW or PSK31 signals.

Frequency agile transmissions, where the same signal or different parts of the signal are broadcast on different bands at once in order to reduce problems for noise/fading/propagation.

ALE stations could use such radios to listen on ALL calling frequencies at once, then establish a link when a valid handshake is conducted.

I'm sure there are many more possible uses.

--
Curt, WE7U. http://wetnet.net/~we7u
The world DOES revolve around me: I picked the coordinate system!"

145. RE: [sdr-users] Re: An SDR recording 20 MHz?

Yahoo group: sdr-users
Date: 2013-05-28 18:20:33 UTC
From: Craig Gagner
Topic: 33 Message: 145

Ok

Contesting I can see where it might be helpful, awful lot of data to sort through , I don't contest.

Overview, well it doesn't do me any good after the fact ? Kind of hard to make a QSO with a recording

FCC Big Brother watching, Ok I can see that

Decoding signals Ok as a SWL

Not sure what the ALE is but I suppose you could decode signals but again its one way as a recording ..

I have a Flex 5000 and I may record someone who is trying to work on audio issues, but that's it.

Like you say there are probably some other functions it may be useful for, maybe decoding multiple SSTV signal or something like that.

I suppose the biggest reason is so you can say that you can if you wanted to hehehe ;->

Thanks for the heads up, it has provoked some thinking on my part

73, Craig W1MSG

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of Curt, WE7U
Sent: Tuesday, May 28, 2013 1:33 PM
To: sdr-users@yahoogroups.com
Subject: RE: [sdr-users] Re: An SDR recording 20 MHz?

On Tue, 28 May 2013, Craig Gagner wrote:

> I may be missing something but what is the need for recording amateur radio
> in this format ???

I can think of a few right off the bat:

Contesting: Can record the whole contest and have people sort through afterwards to try to claim a few more contacts that may have completed the contest QSO.

Overview of bands: Can process the entire passband of the radio and show you where signals are, basically a spectrum analyzer sort of view. This is VERY useful!

FCC/Regulatory Agencies: Can record an entire spectrum for a period of time and decode signals when found out-of-band or using some modulation methods/power that are not allowed within their license.

Decoding multiple signals at once, potentially across many "bands" as we now know them on conventional radios. For instance decoding _all_ CW or PSK31 signals.

Frequency agile transmissions, where the same signal or different parts of the signal are broadcast on different bands at once in order to reduce problems for noise/fading/propagation.

ALE stations could use such radios to listen on ALL calling frequencies at once, then establish a link when a valid handshake is conducted.

I'm sure there are many more possible uses.

--
Curt, WE7U. http://wetnet.net/~we7u
The world DOES revolve around me: I picked the coordinate system!"

146. Re: TAPR Hermes, PA Needed

Yahoo group: sdr-users
Date: 2013-05-28 22:45:50 UTC
From: kf5oxi
Topic: 137 Message: 146

Does the Hermes require band-specific filters to keep IMD at by like the Softrocks? I am looking for a similar solution in the Softrock world.

73, Greg, kf5oxi

--- In sdr-users@yahoogroups.com, Chris Wilson <chris@...> wrote:
>
>
>
> >
>
> > So here's a question: I have a TAPR Hermes, boxed, ready to start
> > programming. Once the programming is done and I've moved house I
> > would like to put it on the air, but what about a PA strip?
> >
> > Any suggestions for a clean PA solution with output between 50W and
> > 200W ? Off the shelf if possible. If I don't find a decent solution I'll dig out some valve holders
> >
> > Simon GD4ELI/HB9DRV
> > http://v2.sdr-radio.com/
>
>
> 28/05/2013 13:11
>
>
> This is PRECISELY what I was after, but not seeing any nice kits or
> commercially produced amps able to go from mW to 200 Watts I am erring
> more to buying an Anan 10, rather than a Hermes, and running it at
> about 4 Watts and building a Communications Concepts EB104 amp as a
> 2nd PA. If anyone does know of an elegant and efficient way of getting
> 200 Watts very low IMD from a Hermes exciter, preferably from a 50
> volt amp, I would love to know what you have found.
>
>
> The amp is at:
> http://www.communication-concepts.com/index.php/amplifiers/eb104.html
>
>
>
> --
> Best Regards,
> Chris Wilson.
>

147. Re: [sdr-users] Re: An SDR recording 20 MHz?

Yahoo group: sdr-users
Date: 2013-05-28 23:07:21 UTC
From: Paul
Topic: 33 Message: 147

Way back in the 1970's I loaned a good friend of mine a VCR (Video Cassette Recorder) so he could record off the air television programs and 'save time'.

After two week he returned it with the comment "I don't have enough time for that."

I'm not sure why any amateur radio operator would want to look at more that +/- 20KHz from his operating frequency.

de Paul, W8AEF

-----Original Message-----
From: Curt, WE7U
Sent: Tuesday, May 28, 2013 10:32 AM
To: sdr-users@yahoogroups.com
Subject: RE: [sdr-users] Re: An SDR recording 20 MHz?

On Tue, 28 May 2013, Craig Gagner wrote:

> I may be missing something but what is the need for recording amateur
> radio
> in this format ???

148. Re: An SDR recording 20 MHz?

Yahoo group: sdr-users
Date: 2013-05-29 06:32:29 UTC
From: john
Topic: 33 Message: 148

Well for transmitting radio hams, probably not much point. But many SDR users on this generic group never listen to the ham bands, and dont possess a transmitter.
In any case, who needs a car that can go 180mph, its in the same vein ;-)

John

--- In sdr-users@yahoogroups.com, "Paul" <w8aef@...> wrote:
>
> Way back in the 1970's I loaned a good friend of mine a VCR (Video Cassette
> Recorder) so he could record off the air television programs and 'save
> time'.
>
> After two week he returned it with the comment "I don't have enough time for
> that."
>
> I'm not sure why any amateur radio operator would want to look at more that
> +/- 20KHz from his operating frequency.
>
> de Paul, W8AEF
>
> -----Original Message-----
> From: Curt, WE7U
> Sent: Tuesday, May 28, 2013 10:32 AM
> To: sdr-users@yahoogroups.com
> Subject: RE: [sdr-users] Re: An SDR recording 20 MHz?
>
> On Tue, 28 May 2013, Craig Gagner wrote:
>
> > I may be missing something but what is the need for recording amateur
> > radio
> > in this format ???
>

149. Re: [sdr-users] Re: An SDR recording 20 MHz?

Yahoo group: sdr-users
Date: 2013-05-29 10:48:30 UTC
From: Henry
Topic: 33 Message: 149

Simon,

Who's doing that one?

On 29/05/2013 3:12 AM, Simon GD4ELI/HB9DRV wrote:
>
>
> There's a radio coming out with (wait for it) 250 MHz of bandwidth, so
> we're talking 1 gigabyte per second!
>
> I'll need an ice-cooled system to handle that one!
>
> Simon GD4ELI/HB9DRV
>
> http://v2.sdr-radio.com/
>
> *From:*sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com]
> *On Behalf Of *john
>
> Well you are correct Simon, I heard 160 mbps. But professional guys
> use parallel Raid arrays, 4TB is not so much. The big guys record even
> more than 30MHz. And 10 hours is enough for most, it will need
> analysis anyway.
>
>
>
>

150. RE: [sdr-users] Re: An SDR recording 20 MHz?

Yahoo group: sdr-users
Date: 2013-05-29 11:21:47 UTC
From: Simon GD4ELI/HB9DRV
Topic: 33 Message: 150

www.pervices.com/support

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of Henry
Sent: 29 May 2013 12:49
To: sdr-users@yahoogroups.com
Subject: Re: [sdr-users] Re: An SDR recording 20 MHz?

Simon,

Who's doing that one?

On 29/05/2013 3:12 AM, Simon GD4ELI/HB9DRV wrote:

There's a radio coming out with (wait for it) 250 MHz of bandwidth, so we're talking 1 gigabyte per second!

I'll need an ice-cooled system to handle that one!

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of john

Well you are correct Simon, I heard 160 mbps. But professional guys use parallel Raid arrays, 4TB is not so much. The big guys record even more than 30MHz. And 10 hours is enough for most, it will need analysis anyway.

151. Re: [sdr-users] Re: An SDR recording 20 MHz?

Yahoo group: sdr-users
Date: 2013-05-29 14:06:39 UTC
From: Mauno Ritola
Topic: 33 Message: 151

That looks good; no trouble with USB. And allows recording of 20 MHz FM band or 0-30 MHz for example?
Price only 849 USD! Do you plan supporting this for SDR Console V2?

Thanks,

Mauno

29.5.2013 14:21, Simon GD4ELI/HB9DRV kirjoitti:
> www.pervices.com/support <http://www.pervices.com/support>
>
> Simon GD4ELI/HB9DRV
>
> http://v2.sdr-radio.com/
>
> *From:*sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com]
> *On Behalf Of *Henry
> *Sent:* 29 May 2013 12:49
> *To:* sdr-users@yahoogroups.com
> *Subject:* Re: [sdr-users] Re: An SDR recording 20 MHz?
>
> Simon,
>
> Who's doing that one?
>
>
> On 29/05/2013 3:12 AM, Simon GD4ELI/HB9DRV wrote:
>
> There's a radio coming out with (wait for it) 250 MHz of
> bandwidth, so we're talking 1 gigabyte per second!
>
> I'll need an ice-cooled system to handle that one!
>
> Simon GD4ELI/HB9DRV
>
> http://v2.sdr-radio.com/
>
> *From:*sdr-users@yahoogroups.com
> <mailto:sdr-users@yahoogroups.com>
> [mailto:sdr-users@yahoogroups.com] *On Behalf Of *john
>
> Well you are correct Simon, I heard 160 mbps. But professional
> guys use parallel Raid arrays, 4TB is not so much. The big guys
> record even more than 30MHz. And 10 hours is enough for most, it
> will need analysis anyway.

>
>

152. RE: [sdr-users] Re: An SDR recording 20 MHz?

Yahoo group: sdr-users
Date: 2013-05-29 15:15:19 UTC
From: Simon GD4ELI/HB9DRV
Topic: 33 Message: 152

Hi,

I am still deciding. It's more or a laboratory system rather than an on-air solution. Dynamic range isn't too greate.

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of Mauno Ritola

That looks good; no trouble with USB. And allows recording of 20 MHz FM band or 0-30 MHz for example?
Price only 849 USD! Do you plan supporting this for SDR Console V2?

153. RE: [sdr-users] Re: An SDR recording 20 MHz?

Yahoo group: sdr-users
Date: 2013-05-29 15:22:42 UTC
From: William H. Fite
Topic: 33 Message: 153

Given the partner-trolling all over their website, it probably is more of a proof-of-concept than a finished product.

--
I can explain it for you, but I can't comprehend it for you.

155. RE: [sdr-users] Re: An SDR recording 20 MHz?

Yahoo group: sdr-users
Date: 2013-05-29 16:44:21 UTC
From: Curt, WE7U
Topic: 33 Message: 155

On Tue, 28 May 2013, Craig Gagner wrote:

> Overview, well it doesn't do me any good after the fact ? Kind of hard to
> make a QSO with a recording

Well... I think you're thinking of "recording" as "putting away for later persual". I'm thinking of it as the radio sending craploads of data into the computer, and the computer can display portions of it real-time. In other words, most have seen the waterfall display for where you're currently operating, but have you seen a spectrum-analyzer type of display elsewhere on the screen that shows EVERY signal on the band? How about every signal in the entire passband of the radio? The OpenHPSDR project can do that with some of the software. Useful in a contest to decide where to tune next to find a signal, without having to hunt for one.

> Not sure what the ALE is but I suppose you could decode signals but again
> its one way as a recording ..

Automatic Link Establishment I think. Basically you tell the computer where you want to talk to, it figures out based on propagation models and various calling frequencies how to make contact (on just a few calling frequencies on several different bands), then alerts you when it has established the link and you can being conversing with the other end.

> I suppose the biggest reason is so you can say that you can if you wanted to
> hehehe ;->

There's another reason?

--
Curt, WE7U. http://wetnet.net/~we7u
APRS Usage Pages: http://wetnet.net/~we7u/usage.html

160. Re: An SDR recording 20 MHz?

Yahoo group: sdr-users
Date: 2013-05-30 12:54:55 UTC
From: Phil N8VB
Topic: 33 Message: 160

--- In sdr-users@yahoogroups.com, "Simon GD4ELI/HB9DRV" <simon@...> wrote:
>
> Hi,
>
>
>
> I am still deciding. It's more or a laboratory system rather than an on-air
> solution. Dynamic range isn't too greate.
>
>
>
> Simon GD4ELI/HB9DRV
>
> http://v2.sdr-radio.com/

Yes, it is really too bad that they chose to use 12 bit ADCs. I'd jump at it for experimentation purposes if they had used 14 bit or 16 bit ADCs.

73 Phil N8VB

161. RE: [sdr-users] Re: An SDR recording 20 MHz?

Yahoo group: sdr-users
Date: 2013-05-30 13:00:03 UTC
From: Simon GD4ELI/HB9DRV
Topic: 33 Message: 161

I reckon I could handle 100 MB/s sample rates, anything more than that and the chips will start smoking J .

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of Phil N8VB

Yes, it is really too bad that they chose to use 12 bit ADCs. I'd jump at it for experimentation purposes if they had used 14 bit or 16 bit ADCs.

162. APACHE vs FLEX 6700

Yahoo group: sdr-users
Date: 2013-05-30 16:22:16 UTC
From: davearea51
Topic: 162 Message: 162

Indeed, components need no EMC testing or approvals to sail through customs into the US. This policy with the FCC has precipitated the noise level I presently experience in this apartment with all the unfiltered and non-decoupled Chinese "Electronic Transformers" et. al.......... I'll attach a link of a measurement of the situation. OOOps, this group doesn't yet have a "Files" or "Picture" folder, so no link. Let me just summarize the results:

1 to 10 MHz: Broadband noise +40 to 55 dB above resistor noise
10 to 20 MHz: Broadband noise +35 to 40 dB above resistor noise

These measurements are made on a good HP spectrum analyzer. The "antenna" is the best I can do in this apartment - the downspout from the third floor. Even a 36" cliplead yields noise increases of +30 to 40 dB above resistor noise!

Bottom line: If I had to take up amateur radio at present I wouldn't due to the fact that I can't hear anything but broadband noise. Thank you China, or "From China with Love".

OK, enough of a rant on my part. I've been a licensed ham for going on 54 years and have witnessed the general increase in background noise levels over the decades. The worst increase has happened with the advent of Chinese "components". Enough......

Back to SDRs:

My real interest in SDRs is for radio astronomy. All I really want is the receiver portion. Of course, I'd like coverage from HF (Jupiter and Solar at 20 MHz) through at least the hydroxal line - say 2 GHz with on instantaneous bandwidth of at least 20 to 50 MHz. I recently jumped into the SDR realm with one of the $20 Dongles just to get my feet wet. I'm totally convinced that my next expenditure into a good receiver will not be Icoms or Kenwoods, but a good SDR receiver. I had been looking at Ettus. Is there anything else out there at a better price? The RFSpace NetSDR seems not to offer the adequate instantaneous bandwidth. What about spectrum slice stacking? As I mentined, I'm new to this SDR technology, but I'm impressed with the cheap dongle.

Dave - W0LEV
. nl

163. Re: [sdr-users] APACHE vs FLEX 6700

Yahoo group: sdr-users
Date: 2013-05-30 16:34:36 UTC
From: Mickey Baker
Topic: 162 Message: 163

When this becomes a problem for the spooks listening in the National Radio Quiet Zone, you'll see some action. Some poor guy living there will order a noisy Chinese gadget and the excrement will hit the ventilation device. Maybe it already has!

73,

Mickey N4MB

On Thu, May 30, 2013 at 12:22 PM, davearea51 <W0LEV@...> wrote:

> **
>
>
> Indeed, components need no EMC testing or approvals to sail through
> customs into the US. This policy with the FCC has precipitated the noise
> level I presently experience in this apartment with all the unfiltered and
> non-decoupled Chinese "Electronic Transformers" et. al..... I'll
> attach a link of a measurement of the situation. OOOps, this group doesn't
> yet have a "Files" or "Picture" folder, so no link. Let me just summarize
> the results:
>
> 1 to 10 MHz: Broadband noise +40 to 55 dB above resistor noise
> 10 to 20 MHz: Broadband noise +35 to 40 dB above resistor noise
>
> These measurements are made on a good HP spectrum analyzer. The "antenna"
> is the best I can do in this apartment - the downspout from the third
> floor. Even a 36" cliplead yields noise increases of +30 to 40 dB above
> resistor noise!
>
> Bottom line: If I had to take up amateur radio at present I wouldn't due
> to the fact that I can't hear anything but broadband noise. Thank you
> China, or "From China with Love".
>
> OK, enough of a rant on my part. I've been a licensed ham for going on 54
> years and have witnessed the general increase in background noise levels
> over the decades. The worst increase has happened with the advent of
> Chinese "components". Enough......
>
> Back to SDRs:
>
> My real interest in SDRs is for radio astronomy. All I really want is the
> receiver portion. Of course, I'd like coverage from HF (Jupiter and Solar
> at 20 MHz) through at least the hydroxal line - say 2 GHz with on
> instantaneous bandwidth of at least 20 to 50 MHz. I recently jumped into
> the SDR realm with one of the $20 Dongles just to get my feet wet. I'm

> totally convinced that my next expenditure into a good receiver will not be
> Icoms or Kenwoods, but a good SDR receiver. I had been looking at Ettus. Is
> there anything else out there at a better price? The RFSpace NetSDR seems
> not to offer the adequate instantaneous bandwidth. What about spectrum
> slice stacking? As I mentined, I'm new to this SDR technology, but I'm
> impressed with the cheap dongle.
>
> Dave - W0LEV
> . nl
>
>
>

--
Mickey Baker, N4MB
Fort Lauderdale, FL
*“Tell me, and I will listen. Show me, and I will understand. Involve me, and I will learn.” *Teton Lakota, American Indian Saying.

164. Re: APACHE vs FLEX 6700

Yahoo group: sdr-users
Date: 2013-05-30 16:42:22 UTC
From: Phil N8VB
Topic: 162 Message: 164

--- In sdr-users@yahoogroups.com, "davearea51" <W0LEV@...> wrote:

> My real interest in SDRs is for radio astronomy. All I really want is the receiver portion. Of course, I'd like coverage from HF (Jupiter and Solar at 20 MHz) through at least the hydroxal line - say 2 GHz with on instantaneous bandwidth of at least 20 to 50 MHz. I recently jumped into the SDR realm with one of the $20 Dongles just to get my feet wet. I'm totally convinced that my next expenditure into a good receiver will not be Icoms or Kenwoods, but a good SDR receiver. I had been looking at Ettus. Is there anything else out there at a better price? The RFSpace NetSDR seems not to offer the adequate instantaneous bandwidth. What about spectrum slice stacking? As I mentined, I'm new to this SDR technology, but I'm impressed with the cheap dongle.
>
> Dave - W0LEV
> . nl
>

If you want to do radio astronomy, go with the Ettus Research stuff. You will find a lot of resources in the GNURadio users list on radio astronomy applications.

73 Phil N8VB

165. Re: [sdr-users] Re: APACHE vs FLEX 6700

Yahoo group: sdr-users
Date: 2013-05-30 16:58:14 UTC
From: Ross Stenberg
Topic: 162 Message: 165

Dave, if you are not aware, you may want to research the individual that just gave you that advice....he is a good source :^)

--- In sdr-users@yahoogroups.com, "davearea51" <W0LEV@...> wrote:

> My real interest in SDRs is for radio astronomy. All I really want is the
> receiver portion. Of course, I'd like coverage from HF (Jupiter and Solar
> at 20 MHz) through at least the hydroxal line - say 2 GHz with on
> instantaneous bandwidth of at least 20 to 50 MHz. I recently jumped into
> the SDR realm with one of the $20 Dongles just to get my feet wet. I'm
> totally convinced that my next expenditure into a good receiver will not
> be Icoms or Kenwoods, but a good SDR receiver. I had been looking at
> Ettus. Is there anything else out there at a better price? The RFSpace
> NetSDR seems not to offer the adequate instantaneous bandwidth. What
> about spectrum slice stacking? As I mentined, I'm new to this SDR
> technology, but I'm impressed with the cheap dongle.
>
> Dave - W0LEV
> . nl
>

If you want to do radio astronomy, go with the Ettus Research stuff. You will find a lot of resources in the GNURadio users list on radio astronomy applications.

73 Phil N8VB

166. RE: [sdr-users] Re: APACHE vs FLEX 6700

Yahoo group: sdr-users
Date: 2013-05-30 17:33:23 UTC
From: Simon GD4ELI/HB9DRV
Topic: 162 Message: 166

Or check out bladeRF from www.nuand.com - I hope to support this soon. 20MHz bandwidth, 50MHz to 3GHz (with extender board), 10MHz reference support, much less expensive than Ettus.

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of Phil N8VB
Sent: 30 May 2013 18:42
To: sdr-users@yahoogroups.com
Subject: [sdr-users] Re: APACHE vs FLEX 6700

--- In sdr-users@yahoogroups.com <mailto:sdr-users%40yahoogroups.com> , "davearea51" <W0LEV@...> wrote:

> My real interest in SDRs is for radio astronomy. All I really want is the receiver portion. Of course, I'd like coverage from HF (Jupiter and Solar at 20 MHz) through at least the hydroxal line - say 2 GHz with on instantaneous bandwidth of at least 20 to 50 MHz. I recently jumped into the SDR realm with one of the $20 Dongles just to get my feet wet. I'm totally convinced that my next expenditure into a good receiver will not be Icoms or Kenwoods, but a good SDR receiver. I had been looking at Ettus. Is there anything else out there at a better price? The RFSpace NetSDR seems not to offer the adequate instantaneous bandwidth. What about spectrum slice stacking? As I mentined, I'm new to this SDR technology, but I'm impressed with the cheap dongle.
>
> Dave - W0LEV
> . nl
>

If you want to do radio astronomy, go with the Ettus Research stuff. You will find a lot of resources in the GNURadio users list on radio astronomy applications.

73 Phil N8VB

167. nuand Blade

Yahoo group: sdr-users
Date: 2013-05-31 02:33:47 UTC
From: George Allen
Topic: 162 Message: 167

Am I correct that the nuand Blade is a UHF-SHF sdr receiver? Not designed for HF?

George
K2CM

_____
From: Simon GD4ELI/HB9DRV <simon@...>
To: sdr-users@yahoogroups.com
Sent: Thursday, May 30, 2013 1:33 PM
Subject: RE: [sdr-users] Re: APACHE vs FLEX 6700

Or check out bladeRF from www.nuand.com - I hope to support this soon. 20MHz bandwidth, 50MHz to 3GHz (with extender board), 10MHz reference support, much less expensive than Ettus.

Simon GD4ELI/HB9DRV
http://v2.sdr-radio.com/

From:sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of Phil N8VB
Sent: 30 May 2013 18:42
To: sdr-users@yahoogroups.com
Subject: [sdr-users] Re: APACHE vs FLEX 6700

--- In sdr-users@yahoogroups.com, "davearea51" <W0LEV@...> wrote:

> My real interest in SDRs is for radio astronomy. All I really want is the receiver portion. Of course, I'd like coverage from HF (Jupiter and Solar at 20 MHz) through at least the hydroxal line - say 2 GHz with on instantaneous bandwidth of at least 20 to 50 MHz. I recently jumped into the SDR realm with one of the $20 Dongles just to get my feet wet. I'm totally convinced that my next expenditure into a good receiver will not be Icoms or Kenwoods, but a good SDR receiver. I had been looking at Ettus. Is there anything else out there at a better price? The RFSpace NetSDR seems not to offer the adequate instantaneous bandwidth. What about spectrum slice stacking? As I mentined, I'm new to this SDR technology, but I'm impressed with the cheap dongle.
>
> Dave - W0LEV
> . nl
>

If you want to do radio astronomy, go with the Ettus Research stuff. You will find a lot of resources in the GNURadio users list on radio astronomy applications.

73 Phil N8VB

168. RE: [sdr-users] nuand Blade

Yahoo group: sdr-users
Date: 2013-05-31 05:50:17 UTC
From: Simon GD4ELI/HB9DRV
Topic: 162 Message: 168

Correct, lowest frequency with expansion board is 50Mhz (but can tune down to 10MHz).

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of George Allen
Sent: 31 May 2013 04:34
To: sdr-users@yahoogroups.com
Subject: [sdr-users] nuand Blade

Am I correct that the nuand Blade is a UHF-SHF sdr receiver? Not designed for HF?

George

K2CM

From: Simon GD4ELI/HB9DRV <simon@...>
To: sdr-users@yahoogroups.com
Sent: Thursday, May 30, 2013 1:33 PM
Subject: RE: [sdr-users] Re: APACHE vs FLEX 6700

Or check out bladeRF from www.nuand.com <http://www.nuand.com/> - I hope to support this soon. 20MHz bandwidth, 50MHz to 3GHz (with extender board), 10MHz reference support, much less expensive than Ettus.

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of Phil N8VB
Sent: 30 May 2013 18:42
To: sdr-users@yahoogroups.com
Subject: [sdr-users] Re: APACHE vs FLEX 6700

--- In sdr-users@yahoogroups.com <mailto:sdr-users%40yahoogroups.com> , "davearea51" <W0LEV@...> wrote:

> My real interest in SDRs is for radio astronomy. All I really want is the receiver portion. Of course, I'd like coverage from HF (Jupiter and Solar at 20 MHz) through at least the hydroxal line - say 2 GHz with on instantaneous bandwidth of at least 20 to 50 MHz. I recently jumped into the SDR realm with one of the $20 Dongles just to get my feet wet. I'm totally convinced that my next expenditure into a good receiver will not be Icoms or Kenwoods, but a good SDR receiver. I had been looking at Ettus. Is there anything else out there at a better price? The RFSpace NetSDR seems not to offer the adequate

instantaneous bandwidth. What about spectrum slice stacking? As I mentined, I'm new to this SDR technology, but I'm impressed with the cheap dongle.
>
> Dave - W0LEV
> . nl
>

If you want to do radio astronomy, go with the Ettus Research stuff. You will find a lot of resources in the GNURadio users list on radio astronomy applications.

73 Phil N8VB

169. AM / CW / SSB Squelch

Yahoo group: sdr-users
Date: 2013-05-31 17:19:43 UTC
From: Simon GD4ELI/HB9DRV
Topic: 169 Message: 169

Hi,

I'm thinking about a squelch system which looks at the post-demodulation FFT output and based on either changes to the waveform or just the shape of the FFT output decides whether it's either white noise of a signal.

Has anyone thought about this as well?

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

170. Re: AM / CW / SSB Squelch

Yahoo group: sdr-users
Date: 2013-05-31 18:30:25 UTC
From: pd0psb@...
Topic: 169 Message: 170

Hi,

Sorry to bother you in any forum related to SDR ;-)

Yes I suggested a similar squelch in the Perseus forum a long time ago.
It would also be a nice recording tool if the squelch could "watch" a wider bandwidth.
In this way one could start a recording of a band segment as soon as f.i a sporadic E
opening occurs and any non-periodic signal pops up somewhere in the selected bandwidth.

See Perseus group message #15121

73
Paul
PD0PSB

--- In sdr-users@yahoogroups.com, "Simon GD4ELI/HB9DRV" <simon@...> wrote:
>
> Hi,
>
>
>
> I'm thinking about a squelch system which looks at the post-demodulation FFT
> output and based on either changes to the waveform or just the shape of the
> FFT output decides whether it's either white noise of a signal.
>
>
>
> Has anyone thought about this as well?
>
>
>
> Simon GD4ELI/HB9DRV
>
> http://v2.sdr-radio.com/
>

171. Re: AM / CW / SSB Squelch

Yahoo group: sdr-users
Date: 2013-05-31 18:35:55 UTC
From: Sandro
Topic: 169 Message: 171

Yes, I had; something similar will be implemented soon in Studio 1 together with the scanning option.

73 Sandro

--- In sdr-users@yahoogroups.com, "Simon GD4ELI/HB9DRV" <simon@...> wrote:
>
> Hi,
>
>
>
> I'm thinking about a squelch system which looks at the post-demodulation FFT
> output and based on either changes to the waveform or just the shape of the
> FFT output decides whether it's either white noise of a signal.
>
>
>
> Has anyone thought about this as well?
>
>
>
> Simon GD4ELI/HB9DRV
>
> http://v2.sdr-radio.com/
>

172. RE: [sdr-users] Re: AM / CW / SSB Squelch

Yahoo group: sdr-users
Date: 2013-05-31 18:40:11 UTC
From: Simon GD4ELI/HB9DRV
Topic: 169 Message: 172

Hi Paul (& Sandro),

Interesting idea. Must think.

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of pd0psb@...
Sent: 31 May 2013 20:30
To: sdr-users@yahoogroups.com
Subject: [sdr-users] Re: AM / CW / SSB Squelch

Hi,

Sorry to bother you in any forum related to SDR ;-)

Yes I suggested a similar squelch in the Perseus forum a long time ago.
It would also be a nice recording tool if the squelch could "watch" a wider bandwidth.
In this way one could start a recording of a band segment as soon as f.i a sporadic E opening occurs and any non-periodic signal pops up somewhere in the selected bandwidth.

See Perseus group message #15121

73
Paul
PD0PSB

--- In sdr-users@yahoogroups.com <mailto:sdr-users%40yahoogroups.com> , "Simon GD4ELI/HB9DRV" <simon@...> wrote:
>
> Hi,
>
>
>
> I'm thinking about a squelch system which looks at the post-demodulation FFT
> output and based on either changes to the waveform or just the shape of the
> FFT output decides whether it's either white noise of a signal.
>
>
>
> Has anyone thought about this as well?

>
>
>
> Simon GD4ELI/HB9DRV
>
> http://v2.sdr-radio.com/
>

173. Re: [sdr-users] Re: AM / CW / SSB Squelch

Yahoo group: sdr-users
Date: 2013-05-31 20:29:21 UTC
From: Robert Nickels
Topic: 169 Message: 173

First, thanks to Juan for forming this group to explore interests and ideas of SDR Users.

While my wishes may be simpler than others, I certainly rise to support the idea of voice squelch, which seems like a natural thing to have in a software-based receiver. This has been well proven in commercial and military SSB radios for years, and has been implemented purely in hardware and also with hybrid hardware-software solutions by manufacturers such as SEA, Datron/Transworld, Motorola, and others. The basic concept is an FM discriminator that is immune to all non-human speech signals typically found on bands where SSB is used, and which provides a gating signal to mute the audio during non-voice periods. The literature will provide details on the amplitude and frequency patterns that can be reliably detect voice signals - a constant tone (heterodyne) for example, will typically be heard for only a fraction of a second until the algorithm determines that it is not a voice, and mutes the audio. This obviously makes it much easier to monitor a calling frequency for long periods of time, and also enables scanning of SSB channels.

Along with voice squelch, there is also a need for digital noise reduction. The leading technology provider is bhi: http://www.bhi-ltd.com/

Their modules are used by most if not all of the makers of noise-reduction speakers that are on the market, as well as in embedded and OEM applications. Check Youtube for a number of videos that demostrate the remarkable ability of this technology to reduce background noise on a voice signal with minimal side-effects or distortion. As the ham and SWL population ages and natural hearing losses become more widespread, the demand for these devices has skyrocketed. But it shouldn't be necessary for an SDR user to have to purchase an external DSP-based noise reduction unit or voice squelch board to obtain these valued features.

Here's hoping these items rise to the top of of developers to-do lists!

73, Bob W9RAN

174. Re: [sdr-users] AM / CW / SSB Squelch

Yahoo group: sdr-users
Date: 2013-05-31 23:48:17 UTC
From: Alberto I2PHD
Topic: 169 Message: 174

On 5/31/2013 7:19 PM, Simon GD4ELI/HB9DRV wrote:

> /I?m thinking about a squelch system which looks at the post-demodulation FFT output and based on either //
> //changes to the waveform or just the shape of the FFT output decides whether it?s either white noise of a signal.//
> /
>
> /Has anyone thought about this as well?/
>

Google for the keyword "cepstrum"... in practice it is an FFT of the FFT... should be of help in identifying the formants
of the human voice. Noise does not have formants, human voice does. This could be used as a squelch, at least for
voice signals. Mind, this is just speculation on my side... while I gave a thought at this before abandoning the
development of Winrad, I never reached the point of writing code.

--
/*73 Alberto I2PHD*/

175. Re: [sdr-users] AM / CW / SSB Squelch

Yahoo group: sdr-users
Date: 2013-06-01 05:47:40 UTC
From: Howard Benjamin
Topic: 169 Message: 175

Hi Simon

An am/ssb squelch was the first thing I missed on your excellent V2 software. After operating FlexRadio for last six years, I now prefer my FCDpro+ as a receiver.

73 de Howard 5B4AHX G3MNB.

----- Original Message -----
From: Simon GD4ELI/HB9DRV
To: sdr-users@yahoogroups.com
Sent: Friday, May 31, 2013 8:19 PM
Subject: [sdr-users] AM / CW / SSB Squelch

Hi,

I'm thinking about a squelch system which looks at the post-demodulation FFT output and based on either changes to the waveform or just the shape of the FFT output decides whether it's either white noise of a signal.

Has anyone thought about this as well?

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

176. Re: AM / CW / SSB Squelch

Yahoo group: sdr-users
Date: 2013-06-01 07:26:10 UTC
From: pd0psb@...
Topic: 169 Message: 176

--- In sdr-users@yahoogroups.com, Robert Nickels <w9ran@...> wrote:
> This has been well proven in commercial and
> military SSB radios for years, and has been implemented purely in
> hardware and also with hybrid hardware-software solutions by
> manufacturers such as SEA, Datron/Transworld, Motorola, and others.
> The basic concept is an FM discriminator that is immune to all non-human
> speech signals typically found on bands where SSB is used, and which
> provides a gating signal to mute the audio during non-voice periods.
> The literature will provide details on the amplitude and frequency
> patterns that can be reliably detect voice signals - a constant tone
> (heterodyne) for example, will typically be heard for only a fraction of
> a second until the algorithm determines that it is not a voice, and
> mutes the audio. This obviously makes it much easier to monitor a
> calling frequency for long periods of time, and also enables scanning of
> SSB channels.

The Sailor (life saving equipment) shipboard voice squelch is the best I ever used:

SQUELCH
The squelch is voice activated, which is realized by detecting whether there is a change in the mean frequency at the AF-filter output. The squelch circuit, which contains limiting amplifier, frequency to voltage converter, voltage change detector, and hold circuit, generates a signal by which the microprocessor controls the squelch switch U07 at the receiver output. (from the manual)

It is totally immune to any periodic signal and just need a few dB to detect a voice correctly.

73
Paul
PD0PSB

177. UNID 137.5 MHz

Yahoo group: sdr-users
Date: 2013-06-01 09:59:45 UTC
From: Patrick
Topic: 177 Message: 177

Hi !

While tuning around 137.5 MHz, I came accross a weird signal. I obviously 1st thought it was a satellite, but it seems it is not ...
Have a look at the clip : http://www.youtube.com/watch?v=qgmGAIiTfLs

Any idea ?

TIA,
Patrick

178. Why sound cards?

Yahoo group: sdr-users
Date: 2013-06-01 12:27:25 UTC
From: reesemn
Topic: 178 Message: 178

I'm a new ham and SDR really appeals to the tech geek in me, but I'm noticing that the SDR transceivers that I'm looking at (Elecraft KX3 and Genesis G11) both output analog signals to a sound card on a computer to see the waterfall. That makes no sense to me. The radio is converting analog to digital to do its digital filtering/manipulations, then converting it back to analog so that it can send it to a computer which then has to reconvert it back to digital. Why don't they just support sending the digital audio directly over USB or some other method instead? I've noticed that this analog to digital to analog to digital method seems to be pretty common. Is there some reason why?

179. RE: [sdr-users] AM / CW / SSB Squelch

Yahoo group: sdr-users
Date: 2013-06-01 13:26:18 UTC
From: Simon GD4ELI/HB9DRV
Topic: 169 Message: 179

Alberto,

That's interesting. I'll look into this further.

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of Alberto I2PHD
Sent: 01 June 2013 01:48
To: sdr-users@yahoogroups.com
Subject: Re: [sdr-users] AM / CW / SSB Squelch

On 5/31/2013 7:19 PM, Simon GD4ELI/HB9DRV wrote:

I'm thinking about a squelch system which looks at the post-demodulation FFT output and based on either
changes to the waveform or just the shape of the FFT output decides whether it's either white noise of a signal.

Has anyone thought about this as well?

Google for the keyword "cepstrum"... in practice it is an FFT of the FFT... should be of help in identifying the formants
of the human voice. Noise does not have formants, human voice does. This could be used as a squelch, at least for
voice signals. Mind, this is just speculation on my side... while I gave a thought at this before abandoning the
development of Winrad, I never reached the point of writing code.

--
73 Alberto I2PHD

180. Softrock 2m VHF

Yahoo group: sdr-users
Date: 2013-06-01 15:29:39 UTC
From: Craig Gagner
Topic: 180 Message: 180

Could someone possibly guide me through the PE0FKO set up program for my Softrock 2m VHF RX. It has firmware ver 15.12 and none of the help files I have found tells me what I should be setting the LO Total and LO DLL at ?? I have been playing with it but up to now I am not getting anything.

Thanks

Craig, W1MSG

181. Re: [sdr-users] Softrock 2m VHF

Yahoo group: sdr-users
Date: 2013-06-01 15:44:50 UTC
From: Peter Johnson
Topic: 180 Message: 181

Hi Craig.
This is the better place to ask for help.
http://groups.yahoo.com/group/softrock40/

Regards Peter F1VKK

On 01/06/2013 17:29, Craig Gagner wrote:
>
>
> Could someone possibly guide me through the PE0FKO set up program for
> my Softrock 2m VHF RX. It has firmware ver 15.12 and none of the help
> files I have found tells me what I should be setting the LO Total and
> LO DLL at ?? I have been playing with it but up to now I am not
> getting anything.
>
> Thanks
>
> Craig, W1MSG
>
>
>
>

182. Re: [sdr-users] Softrock 2m VHF

Yahoo group: sdr-users
Date: 2013-06-01 17:42:35 UTC
From: Chris Wilson
Topic: 180 Message: 182

>

> Could someone possibly guide me through the PE0FKO set up program
> for my Softrock 2m VHF RX. It has firmware ver 15.12 and none of the
> help files I have found tells me what I should be setting the LO
> Total and LO DLL at ?? I have been playing with it but up to now I am not getting anything.
>
> Thanks
>
> Craig, W1MSG

01/06/2013 18:41

I don't know how much help this page will give, but Alan is something
of an expert with configuring the device.

https://sites.google.com/site/g4zfqradio/extio-or-cfgsr-some-notes

--
Best Regards,
Chris Wilson.

183. RE: [sdr-users] TAPR Hermes, PA Needed

Yahoo group: sdr-users
Date: 2013-06-01 23:53:30 UTC
From: Dave Watson
Topic: 137 Message: 183

Not quite 200 watts but close (~150). I built one and it has been working great for about a year and a half now: http://www.nikkemedia.fi/juma-pa100/

Dave (W4DJW)

-----Original Message-----
From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of Chris Wilson
Sent: Tuesday, May 28, 2013 8:15 AM
To: sdr-users@yahoogroups.com
Subject: Re: [sdr-users] TAPR Hermes, PA Needed

>

> So here's a question: I have a TAPR Hermes, boxed, ready to start
> programming. Once the programming is done and I've moved house I would
> like to put it on the air, but what about a PA strip?
>
> Any suggestions for a clean PA solution with output between 50W and
> 200W ? Off the shelf if possible. If I don't find a decent solution
> I'll dig out some valve holders.
>
> Simon GD4ELI/HB9DRV
> http://v2.sdr-radio.com/

28/05/2013 13:11

This is PRECISELY what I was after, but not seeing any nice kits or commercially produced amps able to go from mW to 200 Watts I am erring more to buying an Anan 10, rather than a Hermes, and running it at about 4 Watts and building a Communications Concepts EB104 amp as a 2nd PA. If anyone does know of an elegant and efficient way of getting
200 Watts very low IMD from a Hermes exciter, preferably from a 50 volt amp, I would love to know what you have found.

The amp is at:
http://www.communication-concepts.com/index.php/amplifiers/eb104.html

--
Best Regards,
Chris Wilson.

Yahoo! Groups Links

184. Re: [sdr-users] Why sound cards?

Yahoo group: sdr-users
Date: 2013-06-02 02:43:54 UTC
From: Andy
Topic: 178 Message: 184

I guess that depends on where you want to put the software.

One of the claimed advantages of SDR was ability to add new capabilities by downloading/installing and running new software. If your SDR has a way to get that into the radio, then yes you could do it all without the need for a separate computer.

And many SDRs are analog right up to the sound card.

Andy

185. RE: [sdr-users] TAPR Hermes, PA Needed

Yahoo group: sdr-users
Date: 2013-06-02 05:30:05 UTC
From: Simon GD4ELI/HB9DRV
Topic: 137 Message: 185

Thanks Dave,

Looks like a good option. I don't like what I'm reading about the heat and noise with the ANAN-100.

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of Dave Watson
Sent: 02 June 2013 01:54
To: sdr-users@yahoogroups.com
Subject: RE: [sdr-users] TAPR Hermes, PA Needed

Not quite 200 watts but close (~150). I built one and it has been working great for about a year and a half now: http://www.nikkemedia.fi/juma-pa100/

Dave (W4DJW)

-----Original Message-----
From: sdr-users@yahoogroups.com <mailto:sdr-users%40yahoogroups.com> [mailto:sdr-users@yahoogroups.com <mailto:sdr-users%40yahoogroups.com>] On Behalf Of Chris Wilson
Sent: Tuesday, May 28, 2013 8:15 AM
To: sdr-users@yahoogroups.com <mailto:sdr-users%40yahoogroups.com>
Subject: Re: [sdr-users] TAPR Hermes, PA Needed

>

> So here's a question: I have a TAPR Hermes, boxed, ready to start
> programming. Once the programming is done and I've moved house I would
> like to put it on the air, but what about a PA strip?
>
> Any suggestions for a clean PA solution with output between 50W and
> 200W ? Off the shelf if possible. If I don't find a decent solution
> I'll dig out some valve holders.
>
> Simon GD4ELI/HB9DRV
> http://v2.sdr-radio.com/

28/05/2013 13:11

This is PRECISELY what I was after, but not seeing any nice kits or commercially produced amps able to go from mW to 200 Watts I am erring more to buying an Anan 10, rather than a Hermes, and running it at about 4 Watts and building a Communications Concepts EB104 amp as a 2nd PA. If anyone does

know of an elegant and efficient way of getting
200 Watts very low IMD from a Hermes exciter, preferably from a 50 volt amp,
I would love to know what you have found.

The amp is at:
http://www.communication-concepts.com/index.php/amplifiers/eb104.html

--
Best Regards,
Chris Wilson.

Yahoo! Groups Links

186. RE: [sdr-users] TAPR Hermes, PA Needed

Yahoo group: sdr-users
Date: 2013-06-02 08:26:33 UTC
From: Simon GD4ELI/HB9DRV
Topic: 137 Message: 186

Dave,

I just looked at the spec: very nice solution, thanks. I see it's out of stock, but at least it did exist and one can hope that similar kits or ready-built solutions will exist in the future.

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of Dave Watson

Not quite 200 watts but close (~150). I built one and it has been working great for about a year and a half now: http://www.nikkemedia.fi/juma-pa100/

187. 2M SDR Transmitter / Receiver

Yahoo group: sdr-users
Date: 2013-06-02 12:05:37 UTC
From: Mangin Ben
Topic: 137 Message: 187

Good afternoon all,

After a bit of "googling", it appears to me that 2 meter-band SDR transceivers are a rare thing. Some designs that were sold as kits are discontinued, some others are prohibitively expensive...

Could somebody here advise me something about that ?

Regards,

de F8GRY/Ben

188. RE: [sdr-users] 2M SDR Transmitter / Receiver

Yahoo group: sdr-users
Date: 2013-06-02 13:30:08 UTC
From: Dave Watson
Topic: 137 Message: 188

You could try one of these: http://www.elecraft.com/XV/XV.htm I have a friend with one and it works well for him on his Flex radios. Or, you look for a used Flex-5000A with the UV module for example: http://www.ebay.com/itm/190833186647?_trksid=p2048036. I got one while they were in production and the only thing I don't like about it is the fan noise when transmitting. It will output ~60 watts. The Elecraft Transverter will output 20-25 watts. SoftRock includes a receiver only solution for ~$70: http://fivedash.com/index.php?main_page=product_info <http://fivedash.com/index.php?main_page=product_info&cPath=1&products_id=9&zenid=b4780599131c4705501c1b0ac76931a3> &cPath=1&products_id=9&zenid=b4780599131c4705501c1b0ac76931a3

Dave (W4DJW)

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of Mangin Ben
Sent: Sunday, June 02, 2013 8:06 AM
To: sdr-users@yahoogroups.com
Subject: [sdr-users] 2M SDR Transmitter / Receiver

Good afternoon all,

After a bit of "googling", it appears to me that 2 meter-band SDR transceivers are a rare thing. Some designs that were sold as kits are discontinued, some others are prohibitively expensive...

Could somebody here advise me something about that ?

Regards,

de F8GRY/Ben

189. Re: Why sound cards?

Yahoo group: sdr-users
Date: 2013-06-02 13:44:27 UTC
From: reesemn
Topic: 178 Message: 189

If there is no software in the radio, how can it be considered a software defined radio? You might as well take the analog output from an old tube radio, plug it into a sound card on a computer and call it an SDR. It just doesn't make sense.

But my point was that there are many SDR radios (with software/digital filtering in the radio) which then convert to analog so that it can go to a sound card in a computer. It makes as much sense as the continued use of old serial connections despite being made obsolete by USB about a decade ago.

--- In sdr-users@yahoogroups.com, Andy <ai.egrps@...> wrote:
>
> I guess that depends on where you want to put the software.
>
> One of the claimed advantages of SDR was ability to add new
> capabilities by downloading/installing and running new software. If
> your SDR has a way to get that into the radio, then yes you could do
> it all without the need for a separate computer.
>
> And many SDRs are analog right up to the sound card.
>
> Andy
>

190. Re: [sdr-users] 2M SDR Transmitter / Receiver

Yahoo group: sdr-users
Date: 2013-06-02 14:31:15 UTC
From: Rick Simpson
Topic: 137 Message: 190

Almost all communication these days on 2 meters and 3/4 meters occurs via inexpensive (<$100) and sophisticated SDR handheld transcievers (HTs to their owners) using a nationwide networks of repeaters. True, they do not have a knob on the front for frequency control or a waterfall display or any connection to a PC, but read the manual and you will find a ton of parameters that can be controlled through software.

Rick
K3IND

----- Original Message -----
From: Mangin Ben
To: sdr-users@yahoogroups.com
Sent: Sunday, June 02, 2013 8:05 AM
Subject: [sdr-users] 2M SDR Transmitter / Receiver

Good afternoon all,

After a bit of "googling", it appears to me that 2 meter-band SDR transceivers are a rare thing. Some designs that were sold as kits are discontinued, some others are prohibitively expensive...

Could somebody here advise me something about that ?

Regards,

de F8GRY/Ben

191. RE: [sdr-users] 2M SDR Transmitter / Receiver

Yahoo group: sdr-users
Date: 2013-06-02 14:40:13 UTC
From: <pe9pe@...>
Topic: 137 Message: 191

Hi Rick,

In the USA it's almost al FM, D-Star and local chats.

You guys still call VHF and UHF "Weak Signal DX", which makes us Europeans ROFL.

SSB, CW, Digital modes, EME is alive and kicking in Europe.
I myself worked 45 countries on 2mtrs and 42 countries on 70cm's.
That's comparable to your number of states in distance.

So live on VHF and UHF is much more alive for DX in Europe then in USA.

Nationwide repeaters do not exist in Europe, due to regulations.

So yes there is a need, at least in Europe, for SDR transceivers.

I hope this explained a bit the differences between our needs/interests and yours.

Best 73 and keep enjoying our beautiful hobby,

Rob
PE9PE

Van: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] Namens Rick Simpson
Verzonden: zondag 2 juni 2013 16:31
Aan: sdr-users@yahoogroups.com
Onderwerp: Re: [sdr-users] 2M SDR Transmitter / Receiver

☐

Almost all communication these days on 2 meters and 3/4 meters occurs via inexpensive (<$100) and sophisticated SDR handheld transcievers (HTs to their owners) using a nationwide networks of repeaters. True, they do not have a knob on the front for frequency control or a waterfall display or any connection to a PC, but read the manual and you will find a ton of parameters that can be controlled through software.

Rick
K3IND

----- Original Message -----
From: Mangin Ben <mailto:f8gry@...>
To: sdr-users@yahoogroups.com
Sent: Sunday, June 02, 2013 8:05 AM
Subject: [sdr-users] 2M SDR Transmitter / Receiver

Good afternoon all,

After a bit of "googling", it appears to me that 2 meter-band SDR transceivers are a rare thing. Some designs that were sold as kits are discontinued, some others are prohibitively expensive...

Could somebody here advise me something about that ?

Regards,

de F8GRY/Ben

192. Re: [sdr-users] Re: Why sound cards?

Yahoo group: sdr-users
Date: 2013-06-02 15:00:39 UTC
From: Roger Critchlow
Topic: 178 Message: 192

I don't know any SDR that works the way you're describing. None of them convert analog to digital, filter the digital signal, convert back to analog, and provide that filtered analog to a computer sound card.

There are, on the other hand, a lot of Hams that take the audio output from any old radio, put it into a sound card, and process that on a computer. That is a variety of SDR, I suppose, but pretty lightweight and limited.

The signal that SDR's tap for sound card input is the raw baseband, 50-200 kHz of bandwidth in complex valued samples. Look at the circuits for the Softrock: there's a bandpass filter, a mixer, an op-amp, and the sound card tap. No need to confuse yourself with more complicated radios.

And it's a software defined radio because it's an incomplete radio without the software, and it has been easier to write the software for general purpose computers.

-- rec -- ad5dz --

On Sun, Jun 2, 2013 at 7:44 AM, reesemn <reesemn@...> wrote:

> If there is no software in the radio, how can it be considered a software
> defined radio? You might as well take the analog output from an old tube
> radio, plug it into a sound card on a computer and call it an SDR. It just
> doesn't make sense.
>
> But my point was that there are many SDR radios (with software/digital
> filtering in the radio) which then convert to analog so that it can go to a
> sound card in a computer. It makes as much sense as the continued use of
> old serial connections despite being made obsolete by USB about a decade
> ago.
>
> --- In sdr-users@yahoogroups.com, Andy <ai.egrps@...> wrote:
> >
> > I guess that depends on where you want to put the software.
> >
> > One of the claimed advantages of SDR was ability to add new
> > capabilities by downloading/installing and running new software. If
> > your SDR has a way to get that into the radio, then yes you could do
> > it all without the need for a separate computer.
> >
> > And many SDRs are analog right up to the sound card.
> >
> > Andy
> >
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> Yahoo! Groups Links
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193. Re: [sdr-users] Re: Why sound cards?

Yahoo group: sdr-users
Date: 2013-06-02 15:23:39 UTC
From: Edward Feustel
Topic: 178 Message: 193

Rec,
I believe you are incorrect.
My Cross Country Wireless SDR has an option where the I signal and the Q signal are output on a stereo audio plug which one uses with a sound card to decode and build a base-band signal up to 192 KHz). I believe the SDR Radio does the same. The CCW also has a built-in sound card that does a narrower band version (48 KHz). After the decode and detection are done, the stereo audio (<=48 KHz) is sent to the audio card. Different amplitude and phase corrections are provided for CCW and SDR-Radio 1.5. Alternatively audio can be sent via the USB to serial connection.

Ed, N5EI

194. RE: [sdr-users] Re: Why sound cards?

Yahoo group: sdr-users
Date: 2013-06-02 15:39:04 UTC
From: Simon GD4ELI/HB9DRV
Topic: 178 Message: 194

There's no problem having a device like CCW or the FUNcube Dongles which present a soundcard to the computer. It's just a nice and simple interface which doesn't require special drivers.

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of Edward Feustel

My Cross Country Wireless SDR has an option where the I signal and the Q signal are output on a stereo audio plug which one uses with a sound card to decode and build a base-band signal up to 192 KHz). I believe the SDR Radio does the same. The CCW also has a built-in sound card that does a narrower band version (48 KHz). After the decode and detection are done, the stereo audio (<=48 KHz) is sent to the audio card. Different amplitude and phase corrections are provided for CCW and SDR-Radio 1.5. Alternatively audio can be sent via the USB to serial connection.

195. RE: [sdr-users] 2M SDR Transmitter / Receiver

Yahoo group: sdr-users
Date: 2013-06-02 16:06:38 UTC
From: Simon GD4ELI/HB9DRV
Topic: 137 Message: 195

Hi,

You didn’t say what ‘expensive’ is; I would look at the bladeRF from www.nuand.com – I am eagerly awaiting this. Could handle everything I want with extra pre-amps and after-burners.

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of Mangin Ben
Sent: 02 June 2013 14:06
To: sdr-users@yahoogroups.com
Subject: [sdr-users] 2M SDR Transmitter / Receiver

Good afternoon all,

After a bit of "googling", it appears to me that 2 meter-band SDR transceivers are a rare thing. Some designs that were sold as kits are discontinued, some others are prohibitively expensive...

Could somebody here advise me something about that ?

Regards,

de F8GRY/Ben

196. Re: [sdr-users] 2M SDR Transmitter / Receiver

Yahoo group: sdr-users
Date: 2013-06-02 16:07:24 UTC
From: Dave
Topic: 137 Message: 196

Ben:
I designed and sell the UHFSDR. It is a low power transceiver(50mW)
and covers 1.75 MHz to 700 MHz if you use the grade A Si570. I sell the
PCB only or a kit of the harder to find parts(not including the Si570).
A complete kit of parts is also available. Go to my for sale page.
Ther is also a UHFSDR Yahoo group with 500+ members.

Dave - WB6DHW
<http://wb6dhw.com>

On 6/2/2013 6:30 AM, Dave Watson wrote:
>
>
> You could try one of these: http://www.elecraft.com/XV/XV.htm I have a
> friend with one and it works well for him on his Flex radios. Or, you
> look for a used Flex-5000A with the UV module for example:
> http://www.ebay.com/itm/190833186647?_trksid=p2048036. I got one while
> they were in production and the only thing I don't like about it is
> the fan noise when transmitting. It will output ~60 watts. The
> Elecraft Transverter will output 20-25 watts. SoftRock includes a
> receiver only solution for ~$70:
> http://fivedash.com/index.php?main_page=product_info&cPath=1&products_id=9&zenid=b4780599131c4705501c1b0ac76931a3
>
> Dave (W4DJW)
>
> *From:*sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com]
> *On Behalf Of *Mangin Ben
> *Sent:* Sunday, June 02, 2013 8:06 AM
> *To:* sdr-users@yahoogroups.com
> *Subject:* [sdr-users] 2M SDR Transmitter / Receiver
>
> Good afternoon all,
>
> After a bit of "googling", it appears to me that 2 meter-band SDR
> transceivers are a rare thing. Some designs that were sold as kits are
> discontinued, some others are prohibitively expensive...
>
> Could somebody here advise me something about that ?
>
> Regards,
>
> de F8GRY/Ben
>
>

>
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>
>

197. Re: [sdr-users] Re: Why sound cards?

Yahoo group: sdr-users
Date: 2013-06-02 16:11:38 UTC
From: Dave
Topic: 178 Message: 197

Resemn:
Cost is the main reason. An I/Q generator, 2 mixers and a couple of
op amps are all the hardware needed. The computer soundcard does the
digitizing and the computing. Assuming you already have a computer,
that is free. With all the software in the computer, it is very easy to
upgrade the software.

Dave - WB6DHW
<http://wb6dhw.com>

On 6/2/2013 6:44 AM, reesemn wrote:
> If there is no software in the radio, how can it be considered a software defined radio? You might as well take the analog output from an old tube radio, plug it into a sound card on a computer and call it an SDR. It just doesn't make sense.
>
> But my point was that there are many SDR radios (with software/digital filtering in the radio) which then convert to analog so that it can go to a sound card in a computer. It makes as much sense as the continued use of old serial connections despite being made obsolete by USB about a decade ago.
>
> --- In sdr-users@yahoogroups.com, Andy <ai.egrps@...> wrote:
>> I guess that depends on where you want to put the software.
>>
>> One of the claimed advantages of SDR was ability to add new
>> capabilities by downloading/installing and running new software. If
>> your SDR has a way to get that into the radio, then yes you could do
>> it all without the need for a separate computer.
>>
>> And many SDRs are analog right up to the sound card.
>>
>> Andy
>>
>
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>

198. Re: [sdr-users] Re: Why sound cards?

Yahoo group: sdr-users
Date: 2013-06-02 16:25:41 UTC
From: Roger Critchlow
Topic: 178 Message: 198

No, I'm ignorant, I have never seen such a radio, and as long as I stick with my Softrock kits, I never will. But I suppose I'll have to admit that they do exist.

-- rec --

On Sun, Jun 2, 2013 at 9:23 AM, Edward Feustel <efeustel@...> wrote:

> Rec,
> I believe you are incorrect.
> My Cross Country Wireless SDR has an option where the I signal and the Q
> signal are output on a stereo audio plug which one uses with a sound
> card to decode and build a base-band signal up to 192 KHz). I believe
> the SDR Radio does the same. The CCW also has a built-in sound card
> that does a narrower band version (48 KHz). After the decode and
> detection are done, the stereo audio (<=48 KHz) is sent to the audio
> card. Different amplitude and phase corrections are provided for CCW and
> SDR-Radio 1.5. Alternatively audio can be sent via the USB to serial
> connection.
>
> Ed, N5EI
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> Yahoo! Groups Links
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199. A question re PSDR Versions

Yahoo group: sdr-users
Date: 2013-06-02 22:33:57 UTC
From: Jim Barr
Topic: 199 Message: 199

All

I use my Flex1.5k as the back end for transverting vhf &uhf at the moment mostly EME now there is one thing that really drives me up the wall and that is the fact that every time you move frequency the whole display / panfall moves loing all the usefull info built up on the waterfall, I have had a request in with flex for quite some time suggesting a option to do it the other way but no joy so far.

Now we get to the question, whilst doing some searching recently I came across the fact that this feature is available on a psdr variant for the hermes radio and I waas wondering can this variant still be used for flex kit (unlikely I guess) or could that code be inserted /merged (sorry if i am using incorrect terminology) with the current version of psdr from flex?

I have to say my prefered sdr program for use with my funcube or uhfsdr is hdsdr, now that works perfectly for the way I use it, of course I reaalise thaat everyones needs / tastes differ.

Jim, GI1CET

200. Re: [sdr-users] Why sound cards?

Yahoo group: sdr-users
Date: 2013-06-02 23:03:57 UTC
From: David Turnbull
Topic: 178 Message: 200

On Sat, Jun 1, 2013 at 5:27 AM, reesemn <reesemn@...> wrote:

> I'm a new ham and SDR really appeals to the tech geek in me, but I'm
> noticing that the SDR transceivers that I'm looking at (Elecraft KX3 and
> Genesis G11) both output analog signals to a sound card on a computer to
> see the waterfall.
>
Adding more sound cards to your computer was trivial back when SDR was gaining traction in the ham community. Then laptops took over. Things sometimes don't change as fast as we'd like. The Peaberry SDR transceiver includes a sound chip and apache-licensed microcontroller code which others can include in their radio designs. Given some more time, I would expect the technology to migrate to other products as well.

73 David http://AE9RB.com/

201. Emily to the rescue

Yahoo group: sdr-users
Date: 2013-06-03 02:19:09 UTC
From: William H. Fite
Topic: 201 Message: 201

Bill Ockert scripsit:

Whoops, Missed the cuSDR part. As Emily Littella used to say...

"Oh! That's very different, Mr. Ox Cart.....never mind."

--
I can explain it for you, but I can't comprehend it for you.

202. Re: [sdr-users] Re: Why sound cards?

Yahoo group: sdr-users
Date: 2013-06-03 06:11:40 UTC
From: Andy
Topic: 178 Message: 202

reesemn wrote:

> If there is no software in the radio, how can it be considered
> a software defined radio?

There's different kinds of software defined radios.

Yes you can digitize the incoming RF directly, and do everything in software. But these are (I think) very uncommon, and expensive. (Even though there are some folks who argue this is the only true SDR implementation.)

There are many SDRs that have the RF circuits in one box, and rely on a separate computer to do the real work, in software. It is correct to call it a software defined radio because the first box (i.e., the one with no software) is not a radio by itself. It is only half a radio. It's like taking an axe to a Kenwood and claiming that either half of it is a Kenwood transceiver. It doesn't work without the other half.

And then there are SDRs that are capable of working stand-alone without a PC. Those have the computer and the software inside the box, and fully demodulated outputs from the box.

The second type of SDR (RF circuits in one box, separate PC doing the number crunching) tend to be a lot less expensive than either the first or third type because most of the horsepower is in the PC that you already own.

Andy

203. Re: Why sound cards?

Yahoo group: sdr-users
Date: 2013-06-03 07:36:04 UTC
From: Chris
Topic: 178 Message: 203

Hi Andy,

Good question. As I understand it, the KX3 uses the same "Tayloe" mixer technique as SoftRocks and first generation Flex radios. This mixes the RF signal down to I+Q audio. Now comes the tricky part. It seems that the KX3 must have an internal A-D and D-A (in other works a sound card) which the radio's inbuilt processor and software then uses to do the filtering, demodulation etc. But the radio does NOT apparently do the panoramic and waterfall display stuff internally. So KX3 makes the I+Q audio available to be used externally by another soundcard in a regular PC. This allows the external PC plus some regular SDR software to do the display stuff and maybe provide an extra tunable RX channel?

Hope this makes sense. If someone knows the KX3 well maybe they can correct my guesswork?

73, ZL1BOE

--- In sdr-users@yahoogroups.com, "reesemn" <reesemn@...> wrote:
>
> If there is no software in the radio, how can it be considered a software defined radio? You might as well take the analog output from an old tube radio, plug it into a sound card on a computer and call it an SDR. It just doesn't make sense.
>
> But my point was that there are many SDR radios (with software/digital filtering in the radio) which then convert to analog so that it can go to a sound card in a computer. It makes as much sense as the continued use of old serial connections despite being made obsolete by USB about a decade ago.
>
> --- In sdr-users@yahoogroups.com, Andy <ai.egrps@> wrote:
> >
> > I guess that depends on where you want to put the software.
> >
> > One of the claimed advantages of SDR was ability to add new
> > capabilities by downloading/installing and running new software. If
> > your SDR has a way to get that into the radio, then yes you could do
> > it all without the need for a separate computer.
> >
> > And many SDRs are analog right up to the sound card.
> >
> > Andy
> >
>

204. A Software-Defined Radio for the Masses, Part 1, 2, 3 and 4 by Gerald Youngblood

Yahoo group: sdr-users
Date: 2013-06-05 12:34:53 UTC
From: sdr.users
Topic: 204 Message: 204

In furthering the non-profit, educational and informative purpose of the SDR (Software Defined Radio) Users Discussion Group we are pleased to re-publish these important articles.

Please visit our links section.

More will soon follow.

Thank you for your support.

With kindest regards, 73

Juan /K4LCD

205. RE: [sdr-users] A Software-Defined Radio for the Masses, Part 1, 2, 3 and 4 by Gerald Youngblood

Yahoo group: sdr-users
Date: 2013-06-05 13:36:19 UTC
From: Simon GD4ELI/HB9DRV
Topic: 204 Message: 205

Simple peasants can't read the links L

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of sdr.users
Sent: 05 June 2013 14:35
To: sdr-users@yahoogroups.com
Subject: [sdr-users] A Software-Defined Radio for the Masses, Part 1, 2, 3 and 4 by Gerald Youngblood

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More will soon follow.

Thank you for your support.

With kindest regards, 73

Juan /K4LCD

206. Re: [sdr-users] A Software-Defined Radio for the Masses, Part 1, 2, 3 and 4 by Gerald Youngblood

Yahoo group: sdr-users
Date: 2013-06-05 13:46:31 UTC
From: Ken N9VV
Topic: 204 Message: 206

Here are links to the original QEX articles published by Gerald
Youngblood K5SDR the founder, CEO and President of Flex-Radio Systems:

A Software-Defined Radio for the Masses, Part 1
QEX Jul/Aug 2002, pp. 13-21
This series describes a complete PC-bases, software-defined radio that
uses a sound card and an innovative detector circuit.
http://www.arrl.org/files/file/Techn...0708qex013.pdf

A Software-Defined Radio for the Masses, Part 2
QEX Sep/Oct 2002, pp. 10-18
http://www.arrl.org/files/file/Techn...0910qex010.pdf

A Software-Defined Radio for the Masses, Part 3
QEX, Nov/Dec 2002, pp. 27-36
http://www.arrl.org/files/file/Techn...1112qex027.pdf

A Software-Defined Radio for the Masses, Part 4
QEX, Mar/Apr 2003, pp. 20-31
http://www.arrl.org/files/file/Techn...0304qex020.pdf

On 6/5/2013 8:36 AM, Simon GD4ELI/HB9DRV wrote:
> Simple peasants can?t read the links L
>
> Simon GD4ELI/HB9DRV

207. Re: [sdr-users] A Software-Defined Radio for the Masses, Part 1, 2, 3 and 4 by Gerald Youngblood

Yahoo group: sdr-users
Date: 2013-06-05 13:54:08 UTC
From: George Allen
Topic: 204 Message: 207

I can't get the links to come up...

George
K2CM

From: Ken N9VV <n9vv@...>
To: sdr-users@yahoogroups.com
Cc: Simon GD4ELI/HB9DRV <simon@...>
Sent: Wednesday, June 5, 2013 9:46 AM
Subject: Re: [sdr-users] A Software-Defined Radio for the Masses, Part 1, 2, 3 and 4 by Gerald Youngblood

Here are links to the original QEX articles published by Gerald
Youngblood K5SDR the founder, CEO and President of Flex-Radio Systems:

A Software-Defined Radio for the Masses, Part 1
QEX Jul/Aug 2002, pp. 13-21
This series describes a complete PC-bases, software-defined radio that
uses a sound card and an innovative detector circuit.
http://www.arrl.org/files/file/Techn...0708qex013.pdf

A Software-Defined Radio for the Masses, Part 2
QEX Sep/Oct 2002, pp. 10-18
http://www.arrl.org/files/file/Techn...0910qex010.pdf

A Software-Defined Radio for the Masses, Part 3
QEX, Nov/Dec 2002, pp. 27-36
http://www.arrl.org/files/file/Techn...1112qex027.pdf

A Software-Defined Radio for the Masses, Part 4
QEX, Mar/Apr 2003, pp. 20-31
http://www.arrl.org/files/file/Techn...0304qex020.pdf

On 6/5/2013 8:36 AM, Simon GD4ELI/HB9DRV wrote:
> Simple peasants can’t read the links L
>
> Simon GD4ELI/HB9DRV

Yahoo! Groups Links

    http://docs.yahoo.com/info/terms/

208. RE: [sdr-users] A Software-Defined Radio for the Masses, Part 1, 2, 3 and 4 by Gerald Youngblood

Yahoo group: sdr-users
Date: 2013-06-05 13:59:08 UTC
From: Simon GD4ELI/HB9DRV
Topic: 204 Message: 208

It’s the way the group has been configured. I always allow as much as is possible for everyone, including allowing the world to read the messages, others screw groups down…

Chacun à son gout

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

From: George Allen [mailto:george_gloria99@...]
Sent: 05 June 2013 15:54
To: sdr-users@yahoogroups.com
Cc: Simon GD4ELI/HB9DRV
Subject: Re: [sdr-users] A Software-Defined Radio for the Masses, Part 1, 2, 3 and 4 by Gerald Youngblood

I can't get the links to come up...

209. Re: [sdr-users] A Software-Defined Radio for the Masses, Part 1, 2, 3 and 4 by Gerald Youngblood

Yahoo group: sdr-users
Date: 2013-06-05 14:01:28 UTC
From: Fred
Topic: 204 Message: 209

These links do not work. Or am I missing something. What are the 3 ...
in the link?

Fred - N4CLA

On 6/5/2013 9:46 AM, Ken N9VV wrote:
> Here are links to the original QEX articles published by Gerald
> Youngblood K5SDR the founder, CEO and President of Flex-Radio Systems:
>
> # A Software-Defined Radio for the Masses, Part 1
> QEX Jul/Aug 2002, pp. 13-21
> This series describes a complete PC-bases, software-defined radio that
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> # A Software-Defined Radio for the Masses, Part 2
> QEX Sep/Oct 2002, pp. 10-18
> http://www.arrl.org/files/file/Techn...0910qex010.pdf
>
> # A Software-Defined Radio for the Masses, Part 3
> QEX, Nov/Dec 2002, pp. 27-36
> http://www.arrl.org/files/file/Techn...1112qex027.pdf
>
> # A Software-Defined Radio for the Masses, Part 4
> QEX, Mar/Apr 2003, pp. 20-31
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>
> On 6/5/2013 8:36 AM, Simon GD4ELI/HB9DRV wrote:
>> Simple peasants can?t read the links L
>>
>> Simon GD4ELI/HB9DRV
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> Yahoo! Groups Links
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210. Re: [sdr-users] A Software-Defined Radio for the Masses, Part 1, 2, 3 and 4 by Gerald Youngblood

Yahoo group: sdr-users
Date: 2013-06-05 14:12:56 UTC
From: Rick Simpson
Topic: 204 Message: 210

If you are interested in learning about SDR and only read one article, this is the one. I spent hours wandering around the web trying to learn SDR theory. This one paper answered all my questions.

Rick
K3IND

----- Original Message -----
From: sdr.users
To: sdr-users@yahoogroups.com
Sent: Wednesday, June 05, 2013 8:34 AM
Subject: [sdr-users] A Software-Defined Radio for the Masses, Part 1, 2, 3 and 4 by Gerald Youngblood

In furthering the non-profit, educational and informative purpose of the SDR (Software Defined Radio) Users Discussion Group we are pleased to re-publish these important articles.

Please visit our links section.

More will soon follow.

Thank you for your support.

With kindest regards, 73

Juan /K4LCD

211. Re: A Software-Defined Radio for the Masses, Part 1, 2, 3 and 4 by Gerald Youngblood

Yahoo group: sdr-users
Date: 2013-06-05 14:17:44 UTC
From: radio listener
Topic: 204 Message: 211

They're here

https://sites.google.com/site/thesdrinstitute/A-Software-Defined-Radio-for-the-Masses

which is the site linked to from the group

73

Tony

--- In sdr-users@yahoogroups.com, Fred <n40cla@...> wrote:
>
> These links do not work. Or am I missing something. What are the 3 ...
> in the link?
>
> Fred - N4CLA
>
> On 6/5/2013 9:46 AM, Ken N9VV wrote:
> > Here are links to the original QEX articles published by Gerald
> > Youngblood K5SDR the founder, CEO and President of Flex-Radio Systems:
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> > # A Software-Defined Radio for the Masses, Part 1
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> >
> > # A Software-Defined Radio for the Masses, Part 3
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> >
> > # A Software-Defined Radio for the Masses, Part 4
> > QEX, Mar/Apr 2003, pp. 20-31
> > http://www.arrl.org/files/file/Techn...0304qex020.pdf
> >
> > On 6/5/2013 8:36 AM, Simon GD4ELI/HB9DRV wrote:
> >> Simple peasants can't read the links L
> >>
> >> Simon GD4ELI/HB9DRV
> >
> > ------------------------------------

> >
> > Yahoo! Groups Links
> >
> >
> >
> >
>

212. RE: [sdr-users] A Software-Defined Radio for the Masses, Part 1, 2, 3 and 4 by Gerald Youngblood

Yahoo group: sdr-users
Date: 2013-06-05 14:22:23 UTC
From: dx11
Topic: 204 Message: 212

Google for "Gerald Youngblood" and you will find part4. I changed the others likewise, so this must work (I tested two of them).

Cor Beijersbergen

http://www.arrl.org/files/file/Technology/tis/info/pdf/020708qex013.pdf
http://www.arrl.org/files/file/Technology/tis/info/pdf/020910qex010.pdf
http://www.arrl.org/files/file/Technology/tis/info/pdf/021112qex027.pdf
http://www.arrl.org/files/file/Technology/tis/info/pdf/030304qex020.pdf

-----Original Message-----
From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of Ken N9VV
Sent: woensdag 5 juni 2013 15:47
To: sdr-users@yahoogroups.com
Cc: Simon GD4ELI/HB9DRV
Subject: Re: [sdr-users] A Software-Defined Radio for the Masses, Part 1, 2, 3 and 4 by Gerald Youngblood

Here are links to the original QEX articles published by Gerald Youngblood K5SDR the founder, CEO and President of Flex-Radio Systems:

A Software-Defined Radio for the Masses, Part 1 QEX Jul/Aug 2002, pp. 13-21 This series describes a complete PC-bases, software-defined radio that uses a sound card and an innovative detector circuit. http://www.arrl.org/files/file/Techn...0708qex013.pdf

A Software-Defined Radio for the Masses, Part 2 QEX Sep/Oct 2002, pp. 10-18 http://www.arrl.org/files/file/Techn...0910qex010.pdf

A Software-Defined Radio for the Masses, Part 3 QEX, Nov/Dec 2002, pp. 27-36 http://www.arrl.org/files/file/Techn...1112qex027.pdf

A Software-Defined Radio for the Masses, Part 4 QEX, Mar/Apr 2003, pp. 20-31 http://www.arrl.org/files/file/Techn...0304qex020.pdf

On 6/5/2013 8:36 AM, Simon GD4ELI/HB9DRV wrote:
> Simple peasants can't read the links L
>
> Simon GD4ELI/HB9DRV

213. A Software-Defined Radio for the Masses, Part 1, 2, 3 and 4 by Gerald Youngblood

Yahoo group: sdr-users
Date: 2013-06-05 14:31:22 UTC
From: sdr.users
Topic: 204 Message: 213

In furthering the non-profit, educational and informative purpose of the SDR (Software Defined Radio) Users Discussion Group we are pleased to re-publish these important articles.

Please visit our links section:

http://groups.yahoo.com/group/sdr-users/links

More will soon follow.

Thank you for your support.

With kindest regards, 73

Juan /K4LCD

214. Re: [sdr-users] A Software-Defined Radio for the Masses, Part 1, 2, 3 and 4 by Gerald Youngblood

Yahoo group: sdr-users
Date: 2013-06-05 14:38:55 UTC
From: Alberto I2PHD
Topic: 204 Message: 214

On 6/5/2013 2:34 PM, sdr.users wrote:

> /In furthering the non-profit, educational and informative purpose of the SDR (Software Defined Radio) //
> //Users Discussion Group we are pleased to re-publish these important articles./

Those articles are really a must-read indeed, however a word of caution is in order for all those
who want to start programming using the examples given there.

Those examples make use of the Intel SPL (Signal Processing Library), which today is obsolete
and no more available. It was superseded a few years ago by the IPP (Intel Performance Primitives)
library, which is about 95% functionally compatible, but their APIs are not one-to-one mappable
to those of the SPL... it took me a few days to convert Winrad from SPL to IPP...

--
/*73 Alberto I2PHD*/

215. Re: [sdr-users] A Software-Defined Radio for the Masses, Part 1, 2, 3 and 4 by Gerald Youngblood

Yahoo group: sdr-users
Date: 2013-06-05 15:05:40 UTC
From: Chris Pearson, G5VZ
Topic: 204 Message: 215

It tells me I'm not a moderator of the group. (I knew that.)

But no links.

Chris
G5VZ / WG5VZ

Quoting "sdr.users" <sdr.users@...>:

> In furthering the non-profit, educational and informative purpose of the SDR
> (Software Defined Radio) Users Discussion Group we are pleased to re-publish
> these important articles.
>
> Please visit our links section:
>
> http://groups.yahoo.com/group/sdr-users/links
>
> More will soon follow.
>
> Thank you for your support.
>
> With kindest regards, 73
>
> Juan /K4LCD
>
>
>

216. Re: [sdr-users] A Software-Defined Radio for the Masses, Part 1, 2, 3 and 4 by Gerald Youngblood

Yahoo group: sdr-users
Date: 2013-06-05 15:20:31 UTC
From: William H. Fite
Topic: 204 Message: 216

No links for me, either.

On Wed, Jun 5, 2013 at 11:05 AM, Chris Pearson, G5VZ <chris@...>wrote:

> **
>
>
> It tells me I'm not a moderator of the group. (I knew that.)
>
> But no links.
>
> Chris
> G5VZ / WG5VZ
>
>
> Quoting "sdr.users" <sdr.users@...>:
>
> > In furthering the non-profit, educational and informative purpose of the
> SDR
> > (Software Defined Radio) Users Discussion Group we are pleased to
> re-publish
> > these important articles.
> >
> > Please visit our links section:
> >
> > http://groups.yahoo.com/group/sdr-users/links
> >
> > More will soon follow.
> >
> > Thank you for your support.
> >
> > With kindest regards, 73
> >
> > Juan /K4LCD
> >
> >
> >
>
>
>

--
I can explain it for you, but I can't comprehend it for you.

217. Re: [sdr-users] A Software-Defined Radio for the Masses, Part 1, 2, 3 and 4 by Gerald Youngblood

Yahoo group: sdr-users
Date: 2013-06-05 15:28:51 UTC
From: Alberto I2PHD
Topic: 204 Message: 217

On 6/5/2013 5:20 PM, William H. Fite wrote:

No links for me, either.

Apparently this group does not have a Link section, nor a Files or Photos one....
or at least they are not visible to ordinary members.

--
73 Alberto I2PHD

218. Re: A Software-Defined Radio for the Masses, Part 1, 2, 3 and 4 by Gerald Youngblood

Yahoo group: sdr-users
Date: 2013-06-05 15:42:35 UTC
From: sdr.users
Topic: 204 Message: 218

Thank you Alberto. sometimes Moderators are NEWBIES...

Did I fix it?

73

Juan K4LCD

219. Re: [sdr-users] A Software-Defined Radio for the Masses, Part 1, 2, 3 and 4 by Gerald Youngblood

Yahoo group: sdr-users
Date: 2013-06-05 15:54:47 UTC
From: K4LCD
Topic: 204 Message: 219

Sorry guys, I'm new at this moderating business. I'm trying my best. It should be working now!

73

Juan /K4LCD

On 06/05/2013 3:20 PM, William H. Fite wrote:
>
> No links for me, either.
>
>
>
> On Wed, Jun 5, 2013 at 11:05 AM, Chris Pearson, G5VZ <chris@...
> <mailto:chris@...>> wrote:
>
> It tells me I'm not a moderator of the group. (I knew that.)
>
> But no links.
>
> Chris
> G5VZ / WG5VZ
>
>
>
> Quoting "sdr.users" <sdr.users@...
> <mailto:sdr.users%40yahoo.com>>:
>
> > In furthering the non-profit, educational and informative
> purpose of the SDR
> > (Software Defined Radio) Users Discussion Group we are pleased
> to re-publish
> > these important articles.
> >
> > Please visit our links section:
> >
> > http://groups.yahoo.com/group/sdr-users/links
> >
> > More will soon follow.
> >
> > Thank you for your support.
> >
> > With kindest regards, 73
> >

> > Juan /K4LCD
> >
> >
> >
>
>
>
>
> --
> I can explain it for you, but I can't comprehend it for you.
>

--
Ofelia y Juan Antonio Granados

9451 SW 97 Street
Miami, FL 33176
Ph. 305 270 8779; Fax. 305 595 1883;
http://paternalskills.org
http://destrezaspaternales.org
http://hispanicremedial.org
http://escueladehoy.org
http://lasallemiami.org

220. Re: [sdr-users] A Software-Defined Radio for the Masses, Part 1, 2, 3 and 4 by Gerald Youngblood

Yahoo group: sdr-users
Date: 2013-06-05 16:15:35 UTC
From: Alberto I2PHD
Topic: 204 Message: 220

On 6/5/2013 5:54 PM, K4LCD wrote:

> /Sorry guys, I'm new at this moderating business. I'm trying my best. It should be working now!/

Perfect. It works now. Well done.

--
/*73 Alberto I2PHD*/

221. Re: A Software-Defined Radio for the Masses, Part 1, 2, 3 and 4 by Gerald Youngblood

Yahoo group: sdr-users
Date: 2013-06-05 16:30:50 UTC
From: Chris
Topic: 204 Message: 221

Well done, Juan! Fully FB now. Thanks.

73

Chris
G5VZ / WG5VZ

--- In sdr-users@yahoogroups.com, K4LCD <k4lcd@...> wrote:
>
> Sorry guys, I'm new at this moderating business. I'm trying my best. It
> should be working now!
>
> 73
>
> Juan /K4LCD
>
> On 06/05/2013 3:20 PM, William H. Fite wrote:
> >
> > No links for me, either.
> >
> >
> >
> > On Wed, Jun 5, 2013 at 11:05 AM, Chris Pearson, G5VZ <chris@...
> > <mailto:chris@...>> wrote:
> >
> > It tells me I'm not a moderator of the group. (I knew that.)
> >
> > But no links.
> >
> > Chris
> > G5VZ / WG5VZ
> >
> >
> >
> > Quoting "sdr.users" <sdr.users@...
> > <mailto:sdr.users%40yahoo.com>>:
> >
> > > In furthering the non-profit, educational and informative
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> > > (Software Defined Radio) Users Discussion Group we are pleased
> > to re-publish
> > > these important articles.
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> > > Please visit our links section:

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> > > http://groups.yahoo.com/group/sdr-users/links
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> > > More will soon follow.
> > >
> > > Thank you for your support.
> > >
> > > With kindest regards, 73
> > >
> > > Juan /K4LCD
> > >
> > >
> > >
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> > --
> > I can explain it for you, but I can't comprehend it for you.
> >
>
>
> --
> Ofelia y Juan Antonio Granados
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> 9451 SW 97 Street
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> Ph. 305 270 8779; Fax. 305 595 1883;
> http://paternalskills.org
> http://destrezaspaternales.org
> http://hispanicremedial.org
> http://escueladehoy.org
> http://lasallemiami.org
>

222. Re: [sdr-users] A Software-Defined Radio for the Masses, Part 1, 2, 3 and 4 by Gerald Youngblood

Yahoo group: sdr-users
Date: 2013-06-05 17:06:13 UTC
From: Ross Stenberg
Topic: 204 Message: 222

A wise man once told me, never bite the hand that feeds you. Nice reflector with interesting reading, thanks.

From: K4LCD
Sent: Wednesday, June 05, 2013 10:54 AM
To: sdr-users@yahoogroups.com
Subject: Re: [sdr-users] A Software-Defined Radio for the Masses, Part 1, 2, 3 and 4 by Gerald Youngblood

Sorry guys, I'm new at this moderating business. I'm trying my best. It should be working now!

73

Juan /K4LCD

223. RE: [sdr-users] A Software-Defined Radio for the Masses, Part 1, 2, 3 and 4 by Gerald Youngblood

Yahoo group: sdr-users
Date: 2013-06-05 17:17:59 UTC
From: Simon GD4ELI/HB9DRV
Topic: 204 Message: 223

Tell that to one of my spaniels. Food is food whether from pedigree or human hand.

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of Ross Stenberg

A wise man once told me, never bite the hand that feeds you.

224. A photo has been added...

Yahoo group: sdr-users
Date: 2013-06-05 17:59:03 UTC
From: sdr.users
Topic: 224 Message: 224

A photo has been added:

http://groups.yahoo.com/group/sdr-users/photos/album/1256069533/pic/229626944/view?picmode=original&mode=tn&order=ordinal&start=1&dir=asc

Regards and 73

Juan /K4LCD

225. 12 bit V 24 bit TX drivers?

Yahoo group: sdr-users
Date: 2013-06-05 20:39:15 UTC
From: Chris Wilson
Topic: 225 Message: 225

05/06/2013 21:36

As a frequent user of the seemingly very stable HDSDR software with various Softrock devices, could someone please explain why "those in the know" decry the the use of 16 bit drivers for TX, rather than the unsupported 24 bit ones? I do not doubt it, I just would like to know, in very simple terms, why some feel support of only 12 bit drivers rather than ASIO (whatever that is / they are), is very inferior? Thanks.

--
Best Regards,
Chris Wilson.
mailto: chris@...

226. Re: [sdr-users] A Software-Defined Radio for the Masses, Part 1, 2, 3 and 4 by Gerald Youngblood

Yahoo group: sdr-users
Date: 2013-06-05 20:52:08 UTC
From: Alberto I2PHD
Topic: 204 Message: 226

On 6/5/2013 7:17 PM, Simon GD4ELI/HB9DRV wrote:

> /Tell that to one of my spaniels. Food is food whether from pedigree or human hand./

I was about to post a similar message.... I have three dogs, two of them are very delicate when
I give them food from my hand... the third one, if I am not fast enough, would take the food together
with a couple of my fingers.... :-)

--
/*73 Alberto I2PHD*/

227. Re: [sdr-users] A Software-Defined Radio for the Masses, Part 1, 2, 3 and 4 by Gerald Youngblood

Yahoo group: sdr-users
Date: 2013-06-06 02:41:29 UTC
From: William H. Fite
Topic: 204 Message: 227

I have a pair of Vizlas and the only thing they'd rather do than eat is sit
on your head.

Thanks for the hard work, Juan!

On Wed, Jun 5, 2013 at 4:52 PM, Alberto I2PHD <i2phd@...> wrote:

> **
>
>
> On 6/5/2013 7:17 PM, Simon GD4ELI/HB9DRV wrote:
>
>
> *Tell that to one of my spaniels. Food is food whether from pedigree or
> human hand.*
>
>
> I was about to post a similar message.... I have three dogs, two of them
> are very delicate when
> I give them food from my hand... the third one, if I am not fast enough,
> would take the food together
> with a couple of my fingers.... :-)
>
> --
> *73 Alberto I2PHD*
>
>
>

--
I can explain it for you, but I can't comprehend it for you.

228. Re: [sdr-users] A Software-Defined Radio for the Masses, Part 1, 2, 3 and 4 by Gerald Youngblood

Yahoo group: sdr-users
Date: 2013-06-06 05:01:23 UTC
From: hb9ari
Topic: 204 Message: 228

Hi Juan,

Very interesting articles and not too complicated
for my (very) limited mathematics knowledge !

Thank you for sharing.

73 QRO,
Rudi, HB9ARI

On 05.06.2013 14:34, sdr.users wrote:
>
> In furthering the non-profit, educational and informative purpose of
> the SDR (Software Defined Radio) Users Discussion Group we are pleased
> to re-publish these important articles.
>
> Please visit our links section.
>
> More will soon follow.
>
> Thank you for your support.
>
> With kindest regards, 73
>
> Juan /K4LCD
>
>

229. Quadrature Signals: Complex, But Not Complicated

Yahoo group: sdr-users
Date: 2013-06-07 21:21:28 UTC
From: Andrea Montefusco
Topic: 229 Message: 229

Another, IMHO excellent, article on topics of our interest is the Lyon's paper on quadrature signals
you can find here:

http://www.dspguru.com/sites/dspguru/files/QuadSignals.pdf□

If one wants to go deeper, I would like to suggest the book authored by Richard Lyon on DSP topics:

Understanding Digital Signal Processing (3rd Edition)

quite expensive but worth what it costs.

am

Andrea Montefusco iw0hdv (ex FAI10655) http://www.montefusco.com
tel: +393356992791 fax: +390623318709
---

230. Re: [sdr-users] Quadrature Signals: Complex, But Not Complicated

Yahoo group: sdr-users
Date: 2013-06-07 21:58:05 UTC
From: Henry
Topic: 229 Message: 230

Andrea,

I can't seem to get the link to work.

But this one seems to work.

http://dspguru.com/sites/dspguru/files/QuadSignals.pdf

On 8/06/2013 7:21 AM, Andrea Montefusco wrote:
> Another, IMHO excellent, article on topics of our interest is the Lyon's paper on quadrature signals
> you can find here:
>
> http://www.dspguru.com/sites/dspguru/files/QuadSignals.pdf□
>
>
> If one wants to go deeper, I would like to suggest the book authored by Richard Lyon on DSP topics:
>
> Understanding Digital Signal Processing (3rd Edition)
>
> quite expensive but worth what it costs.
>
> *am*
>
> ---
> Andrea Montefusco iw0hdv (ex FAI10655) http://www.montefusco.com
> tel: +393356992791 fax: +390623318709
> ---
>
>
> ---
>
> Yahoo! Groups Links
>
>
>
>

231. ELAD FDM-S1

Yahoo group: sdr-users
Date: 2013-06-09 09:42:50 UTC
From: Simon GD4ELI/HB9DRV
Topic: 231 Message: 231

Hi All,

Screenshot: http://www.hb9drv.ch/tmp/Screenshot-2013-06-09-112628.png

As a SDR software scribe I'm always very sceptical when I add a new radio,
in this case I'm rather amazed.

The ELAD FDM-S1 runs at up to 6.144MHz bandwidth via a USB 2.0 port, all
power via this port. CPU is i7 930 (2.8GHz), CPU load is 7%. (You can ignore
the memory size - I just use available memory to cache data, I actually have
24GB on this crate.)

A very fine, very small USB SDR radio.

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

232. Re: ELAD FDM-S1

Yahoo group: sdr-users
Date: 2013-06-09 10:49:14 UTC
From: Sandro
Topic: 231 Message: 232

Hello all,

here is another screenshot:

www.sdrapplications.it/download/Studio1_FDM_S1_6144b.jpg

this is the same Elad FDM-S1 excellent receiver working in combination with Studio 1 (1.4), using the 6.144 MHz bandwidth dll and also demodulating SAM.

The PC is a notebook with an I5-450M CPU; as you can see the reported load in the screen capture is 1% (actually it changes between 0 ☐ 3%).

Please note that this CPU is much less powerful than a regular (desktop) I5.

Best regards
Sandro Sfregola

--- In sdr-users@yahoogroups.com, "Simon GD4ELI/HB9DRV" <simon@...> wrote:
>
> Hi All,
>
>
>
> Screenshot: http://www.hb9drv.ch/tmp/Screenshot-2013-06-09-112628.png
>
>
>
> As a SDR software scribe I'm always very sceptical when I add a new radio,
> in this case I'm rather amazed.
>
>
>
> The ELAD FDM-S1 runs at up to 6.144MHz bandwidth via a USB 2.0 port, all
> power via this port. CPU is i7 930 (2.8GHz), CPU load is 7%. (You can ignore
> the memory size - I just use available memory to cache data, I actually have
> 24GB on this crate.)
>
>
>
> A very fine, very small USB SDR radio.
>
>
>
> Simon GD4ELI/HB9DRV
>
> http://v2.sdr-radio.com/
>

233. Re: 12 bit V 24 bit TX drivers?

Yahoo group: sdr-users
Date: 2013-06-09 13:46:58 UTC
From: warrenallgyer
Topic: 225 Message: 233

Hey Chris

I don't claim to be an expert (believe it or not!) but I don't understand your question. Are you confusing sampling (16 bit, 24 bit, etc) with OS apps and drivers (32 versus 64 bits)? Or am I the one that is confused?

I am happy to bore everyone to tears with another soliloquy on the relative merits of 16 vs. 24 bit sampling.... but that applies more to receive than to transmit.

Can you point us to one of those posts that decry the use of 16 bit drivers? I am really curious because I have not heard of this.

Warren Allgyer - 9V1TD

--- In sdr-users@yahoogroups.com, Chris Wilson <chris@...> wrote:
>
>
>
> 05/06/2013 21:36
>
> As a frequent user of the seemingly very stable HDSDR software with
> various Softrock devices, could someone please explain why "those in
> the know" decry the the use of 16 bit drivers for TX, rather than the
> unsupported 24 bit ones? I do not doubt it, I just would like to know,
> in very simple terms, why some feel support of only 12 bit drivers
> rather than ASIO (whatever that is / they are), is very inferior?
> Thanks.
>
> --
> Best Regards,
> Chris Wilson.
> mailto: chris@...
>

234. Re: [sdr-users] Quadrature Signals: Complex, But Not Complicated

Yahoo group: sdr-users
Date: 2013-06-08 01:38:13 UTC
From: cbayona
Topic: 229 Message: 234

<
<http://www.dspguru.com/sites/dspguru/files/QuadSignals.pdf>http://www.dspguru.com/sites/dspguru/files/QuadSignals.pdf
>

At 04:21 PM 6/7/2013, you wrote:
>Another, IMHO excellent, article on topics of
>our interest is the Lyon's paper on quadrature signals
>you can find here:
>
>http://www.dspguru.com/sites/dspguru/files/QuadSignals.pdfâ□□
>
>
>If one wants to go deeper, I would like to
>suggest the book authored by Richard Lyon on DSP topics:
>
>Understanding Digital Signal Processing (3rd Edition)
>
>quite expensive but worth what it costs.
>
> *am*
>
>----------
>Andrea Montefusco iw0hdv (ex FAI10655) http://www.montefusco.com
>tel: +393356992791 fax: +390623318709
>----------

--
Cecil - k5nwa
< http://thepartsplace.k5nwa.com/ > < http://www.softrockradio.org/ >

Never take life seriously. Nobody gets out alive anyway.

235. WR-G35DDC 'EXCALIBUR Ultra' - Preliminary Information

Yahoo group: sdr-users
Date: 2013-06-10 15:19:00 UTC
From: ruby2dx
Topic: 235 Message: 235

http://www.winradio.com/home/g35ddci.htm

32 MHz of instantaneous bandwidth!

236. SDR radio v2 and funcube pro+ tuning problem.

Yahoo group: sdr-users
Date: 2013-06-10 17:14:33 UTC
From: relman2000
Topic: 236 Message: 236

Hi Everyone,

I have owned a funcube pro+ for a few weeks now and I am having an issue when using it with SDR Radio v2.

The issue is around the freq tuning. I've followed the advice to setup the freq +/-. I have tuned into a few national FM stations and these all seem on the mark, this is when i have the freq +/- set to 0. I also get APRS coming through perfectly on 144.800 Mhz.

My problem is when trying to tune into other things, one example is the ISS on 145.800. I know there is slight doppler effect but I pick this up around 145.5... its off by over a few .100's.

I also have tried tuning into a local beacon GB3VHF 144.430, which I hear on 144.368.

I am a little lost at what I can do to fix this any advice I'd be grateful for as I can't be sure I'm actually tuning into anything correctly.

I am based in the UK.

Thanks

Paul.

237. RE: [sdr-users] SDR radio v2 and funcube pro+ tuning problem.

Yahoo group: sdr-users
Date: 2013-06-10 17:22:39 UTC
From: Simon GD4ELI/HB9DRV
Topic: 236 Message: 237

Hi,

In the ribbon bar, Home, look for Radio Configuration. You should be able to calibrate the dongle's frequency there.

Can't confirm at the moment - mine's all packed up.

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of relman2000
Sent: 10 June 2013 19:15
To: sdr-users@yahoogroups.com
Subject: [sdr-users] SDR radio v2 and funcube pro+ tuning problem.

Hi Everyone,

I have owned a funcube pro+ for a few weeks now and I am having an issue when using it with SDR Radio v2.

The issue is around the freq tuning. I've followed the advice to setup the freq +/-. I have tuned into a few national FM stations and these all seem on the mark, this is when i have the freq +/- set to 0. I also get APRS coming through perfectly on 144.800 Mhz.

My problem is when trying to tune into other things, one example is the ISS on 145.800. I know there is slight doppler effect but I pick this up around 145.5... its off by over a few .100's.

I also have tried tuning into a local beacon GB3VHF 144.430, which I hear on 144.368.

I am a little lost at what I can do to fix this any advice I'd be grateful for as I can't be sure I'm actually tuning into anything correctly.

I am based in the UK.

Thanks

Paul.

238. Re: [sdr-users] SDR radio v2 and funcube pro+ tuning problem.

Yahoo group: sdr-users
Date: 2013-06-10 17:24:55 UTC
From: Paul Fuller
Topic: 236 Message: 238

Hi Simon

That is correct and I tried but you see my issue is things like BBC radio 1 at 98.8 MHz and APRS on 2m at 144.800mhz tune dead on. Other things are completely off.

If I retune the local beacon it then messes up the above.

Kind regards.

Paul.

Sent from my iPhone

On 10 Jun 2013, at 18:22, "Simon GD4ELI/HB9DRV" <simon@sdr-radio.com> wrote:

> Hi,
>
>
>
> In the ribbon bar, Home, look for Radio Configuration. You should be able to calibrate the dongle’s frequency there.
>
>
>
> Can’t confirm at the moment – mine’s all packed up.
>
>
>
> Simon GD4ELI/HB9DRV
>
> http://v2.sdr-radio.com/
>
>
>
> From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of relman2000
> Sent: 10 June 2013 19:15
> To: sdr-users@yahoogroups.com
> Subject: [sdr-users] SDR radio v2 and funcube pro+ tuning problem.
>
>
>
>
>
>
> Hi Everyone,
>
> I have owned a funcube pro+ for a few weeks now and I am having an issue when using it

with SDR Radio v2.
>
> The issue is around the freq tuning. I've followed the advice to setup the freq +/-. I have tuned into a few national FM stations and these all seem on the mark, this is when i have the freq +/- set to 0. I also get APRS coming through perfectly on 144.800 Mhz.
>
> My problem is when trying to tune into other things, one example is the ISS on 145.800. I know there is slight doppler effect but I pick this up around 145.5... its off by over a few .100's.
>
> I also have tried tuning into a local beacon GB3VHF 144.430, which I hear on 144.368.
>
> I am a little lost at what I can do to fix this any advice I'd be grateful for as I can't be sure I'm actually tuning into anything correctly.
>
> I am based in the UK.
>
> Thanks
>
> Paul.
>
>
>

239. RE: [sdr-users] SDR radio v2 and funcube pro+ tuning problem.

Yahoo group: sdr-users
Date: 2013-06-10 17:30:31 UTC
From: Simon GD4ELI/HB9DRV
Topic: 236 Message: 239

Hi Paul,

I’m going away tomorrow for 10 days, must get packed.

Will think and answer when I get back…

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of Paul Fuller
Sent: 10 June 2013 19:25
To: sdr-users@yahoogroups.com
Subject: Re: [sdr-users] SDR radio v2 and funcube pro+ tuning problem.

Hi Simon

That is correct and I tried but you see my issue is things like BBC radio 1 at 98.8 MHz and APRS on 2m at 144.800mhz tune dead on. Other things are completely off.

If I retune the local beacon it then messes up the above.

Kind regards.

Paul.

Sent from my iPhone

On 10 Jun 2013, at 18:22, "Simon GD4ELI/HB9DRV" <simon@...> wrote:

Hi,

In the ribbon bar, Home, look for Radio Configuration. You should be able to calibrate the dongle’s frequency there.

Can’t confirm at the moment – mine’s all packed up.

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of relman2000
Sent: 10 June 2013 19:15
To: sdr-users@yahoogroups.com
Subject: [sdr-users] SDR radio v2 and funcube pro+ tuning problem.

Hi Everyone,

I have owned a funcube pro+ for a few weeks now and I am having an issue when using it with SDR Radio v2.

The issue is around the freq tuning. I've followed the advice to setup the freq +/-. I have tuned into a few national FM stations and these all seem on the mark, this is when i have the freq +/- set to 0. I also get APRS coming through perfectly on 144.800 Mhz.

My problem is when trying to tune into other things, one example is the ISS on 145.800. I know there is slight doppler effect but I pick this up around 145.5... its off by over a few .100's.

I also have tried tuning into a local beacon GB3VHF 144.430, which I hear on 144.368.

I am a little lost at what I can do to fix this any advice I'd be grateful for as I can't be sure I'm actually tuning into anything correctly.

I am based in the UK.

Thanks

Paul.

240. Re: [sdr-users] SDR radio v2 and funcube pro+ tuning problem.

Yahoo group: sdr-users
Date: 2013-06-10 17:32:27 UTC
From: Paul Fuller
Topic: 236 Message: 240

No problem. I will see what I can do at my end. Safe travels.

Sent from my iPhone

On 10 Jun 2013, at 18:31, "Simon GD4ELI/HB9DRV" <simon@sdr-radio.com> wrote:

> Hi Paul,
>
>
>
> I'm going away tomorrow for 10 days, must get packed.
>
>
>
> Will think and answer when I get back…
>
>
>
> Simon GD4ELI/HB9DRV
>
> http://v2.sdr-radio.com/
>
>
>
> From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of Paul Fuller
> Sent: 10 June 2013 19:25
> To: sdr-users@yahoogroups.com
> Subject: Re: [sdr-users] SDR radio v2 and funcube pro+ tuning problem.
>
>
>
>
>
> Hi Simon
>
>
>
> That is correct and I tried but you see my issue is things like BBC radio 1 at 98.8 MHz and APRS on 2m at 144.800mhz tune dead on. Other things are completely off.
>
>
>
> If I retune the local beacon it then messes up the above.
>
>

>
> Kind regards.
>
>
>
> Paul.
>
> Sent from my iPhone
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> On 10 Jun 2013, at 18:22, "Simon GD4ELI/HB9DRV" <simon@sdr-radio.com> wrote:
>
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> Hi,
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> In the ribbon bar, Home, look for Radio Configuration. You should be able to calibrate the dongle’s frequency there.
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> Can’t confirm at the moment – mine’s all packed up.
>
>
>
> Simon GD4ELI/HB9DRV
>
> http://v2.sdr-radio.com/
>
>
>
> From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of relman2000
> Sent: 10 June 2013 19:15
> To: sdr-users@yahoogroups.com
> Subject: [sdr-users] SDR radio v2 and funcube pro+ tuning problem.
>
>
>
>
> Hi Everyone,
>
> I have owned a funcube pro+ for a few weeks now and I am having an issue when using it with SDR Radio v2.
>
> The issue is around the freq tuning. I've followed the advice to setup the freq +/-. I have tuned into a few national FM stations and these all seem on the mark, this is when i

have the freq +/- set to 0. I also get APRS coming through perfectly on 144.800 Mhz.
>
> My problem is when trying to tune into other things, one example is the ISS on 145.800. I know there is slight doppler effect but I pick this up around 145.5... its off by over a few .100's.
>
> I also have tried tuning into a local beacon GB3VHF 144.430, which I hear on 144.368.
>
> I am a little lost at what I can do to fix this any advice I'd be grateful for as I can't be sure I'm actually tuning into anything correctly.
>
> I am based in the UK.
>
> Thanks
>
> Paul.
>
>
>

241. Re: SDR radio v2 and funcube pro+ tuning problem.

Yahoo group: sdr-users
Date: 2013-06-10 17:55:26 UTC
From: Sandro
Topic: 236 Message: 241

Hello, maybe I'm wrong and I have misunderstood the purpose of this group.

Shouldn't this be a "general" SDR technology discussion group?

Why posting here specific questions that should be posted on the relevant groups (SDR Radio in this case for example)?

73 Sandro

--- In sdr-users@yahoogroups.com, "relman2000" <fullerz999@...> wrote:
>
> Hi Everyone,
>
> I have owned a funcube pro+ for a few weeks now and I am having an issue when using it with SDR Radio v2.
>
> The issue is around the freq tuning. I've followed the advice to setup the freq +/-. I have tuned into a few national FM stations and these all seem on the mark, this is when i have the freq +/- set to 0. I also get APRS coming through perfectly on 144.800 Mhz.
>
> My problem is when trying to tune into other things, one example is the ISS on 145.800. I know there is slight doppler effect but I pick this up around 145.5... its off by over a few .100's.
>
> I also have tried tuning into a local beacon GB3VHF 144.430, which I hear on 144.368.
>
> I am a little lost at what I can do to fix this any advice I'd be grateful for as I can't be sure I'm actually tuning into anything correctly.
>
> I am based in the UK.
>
> Thanks
>
> Paul.
>

242. Re: [sdr-users] Re: SDR radio v2 and funcube pro+ tuning problem.

Yahoo group: sdr-users
Date: 2013-06-10 18:10:17 UTC
From: Daniel C. Baral
Topic: 236 Message: 242

```
Because we Flexers don't get along and play well with others... ----- Original Message
-----
|
| Hello, maybe I'm wrong and I have misunderstood the purpose of this
| group.
| Shouldn't this be a "general" SDR technology discussion group?
| Why posting here specific questions that should be posted on the
| relevant groups (SDR Radio in this case for example)?
| 73 Sandro
| --- In sdr-users@yahoogroups.com , "relman2000" <fullerz999@...>
| wrote:
| >
| > Hi Everyone,
| >
| > I have owned a funcube pro+ for a few weeks now and I am having an
| > issue when using it with SDR Radio v2.
| >
| > The issue is around the freq tuning. I've followed the advice to
| > setup the freq +/-. I have tuned into a few national FM stations and
| > these all seem on the mark, this is when i have the freq +/- set to
| > 0. I also get APRS coming through perfectly on 144.800 Mhz.
| >
| > My problem is when trying to tune into other things, one example is
| > the ISS on 145.800. I know there is slight doppler effect but I pick
| > this up around 145.5... its off by over a few .100's.
| >
| > I also have tried tuning into a local beacon GB3VHF 144.430, which I
| > hear on 144.368.
| >
| > I am a little lost at what I can do to fix this any advice I'd be
| > grateful for as I can't be sure I'm actually tuning into anything
| > correctly.
| >
| > I am based in the UK.
| >
| > Thanks
| >
| > Paul.
| >
|
```

243. RE: [sdr-users] SDR radio v2 and funcube pro+ tuning problem.

Yahoo group: sdr-users
Date: 2013-06-10 18:51:20 UTC
From: Simon GD4ELI/HB9DRV
Topic: 236 Message: 243

Ah,

Always remember – not all beacons and stations are on frequency, some VHF stereo are off by a few kHz L . The ISS's Doppler is significant, also their equipment is quite basic, you're assuming that it too is on frequency.

One thing I do need is a reasonably good signal source, must save money…

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of Paul Fuller

No problem. I will see what I can do at my end. Safe travels.

244. Re: [sdr-users] Re: SDR radio v2 and funcube pro+ tuning problem.

Yahoo group: sdr-users
Date: 2013-06-10 18:51:58 UTC
From: William H. Fite
Topic: 236 Message: 244
Attachments: 1 described; binary payloads are missing from this source WARC

We play better with others than the Elecrafters do! [?]

On Mon, Jun 10, 2013 at 2:10 PM, Daniel C. Baral <danielbaral@...>wrote:

> **
>
>
>
> Because we Flexers don't get along and play well with others...
> ------------------------------
>
>
>
> Hello, maybe I'm wrong and I have misunderstood the purpose of this group.
>
> Shouldn't this be a "general" SDR technology discussion group?
>
> Why posting here specific questions that should be posted on the relevant
> groups (SDR Radio in this case for example)?
>
> 73 Sandro
>
> --- In sdr-users@yahoogroups.com, "relman2000" <fullerz999@...> wrote:
> >
> > Hi Everyone,
> >
> > I have owned a funcube pro+ for a few weeks now and I am having an issue
> when using it with SDR Radio v2.
> >
> > The issue is around the freq tuning. I've followed the advice to setup
> the freq +/-. I have tuned into a few national FM stations and these all
> seem on the mark, this is when i have the freq +/- set to 0. I also get
> APRS coming through perfectly on 144.800 Mhz.
> >
> > My problem is when trying to tune into other things, one example is the
> ISS on 145.800. I know there is slight doppler effect but I pick this up
> around 145.5... its off by over a few .100's.
> >
> > I also have tried tuning into a local beacon GB3VHF 144.430, which I
> hear on 144.368.
> >
> > I am a little lost at what I can do to fix this any advice I'd be
> grateful for as I can't be sure I'm actually tuning into anything correctly.
> >

> > I am based in the UK.
> >
> > Thanks
> >
> > Paul.
> >
>
>
>
>

--
I can explain it for you, but I can't comprehend it for you.

245. Re: [sdr-users] Re: SDR radio v2 and funcube pro+ tuning problem.

Yahoo group: sdr-users
Date: 2013-06-10 18:58:36 UTC
From: Daniel C. Baral
Topic: 236 Message: 245
Attachments: 1 described; binary payloads are missing from this source WARC

```
This is true! ----- Original Message -----
|
| We play better with others than the Elecrafters do!
|
| On Mon, Jun 10, 2013 at 2:10 PM, Daniel C. Baral <
| danielbaral@... > wrote:
| |
| | Because we Flexers don't get along and play well with others...
| | |
| | | Hello, maybe I'm wrong and I have misunderstood the purpose of
| | | this
| | | group.
| | | Shouldn't this be a "general" SDR technology discussion group?
| | | Why posting here specific questions that should be posted on the
| | | relevant groups (SDR Radio in this case for example)?
| | | 73 Sandro
| | | --- In sdr-users@yahoogroups.com , "relman2000" <fullerz999@...>
| | | wrote:
| | | >
| | | > Hi Everyone,
| | | >
| | | > I have owned a funcube pro+ for a few weeks now and I am having
| | | > an
| | | > issue when using it with SDR Radio v2.
| | | >
| | | > The issue is around the freq tuning. I've followed the advice to
| | | > setup the freq +/-. I have tuned into a few national FM stations
| | | > and
| | | > these all seem on the mark, this is when i have the freq +/- set
| | | > to
| | | > 0. I also get APRS coming through perfectly on 144.800 Mhz.
| | | >
| | | > My problem is when trying to tune into other things, one example
| | | > is
| | | > the ISS on 145.800. I know there is slight doppler effect but I
| | | > pick
| | | > this up around 145.5... its off by over a few .100's.
| | | >
| | | > I also have tried tuning into a local beacon GB3VHF 144.430,
| | | > which
| | | > I
| | | > hear on 144.368.
| | | >
| | | > I am a little lost at what I can do to fix this any advice I'd
```

| | | > be
| | | > grateful for as I can't be sure I'm actually tuning into
| | | > anything
| | | > correctly.
| | | >
| | | > I am based in the UK.
| | | >
| | | > Thanks
| | | >
| | | > Paul.
| | | >
| --
| I can explain it for you, but I can't comprehend it for you.
|

246. Re: SDR radio v2 and funcube pro+ tuning problem.

Yahoo group: sdr-users
Date: 2013-06-10 19:15:17 UTC
From: pd0psb@...
Topic: 236 Message: 246

It's hard to discuss PC's without touching Windows.
It's just as hard to discuss "general SDR" without touching Simon's SDR-Radio ;-)

Same goes for Studio 1 ofcourse, which I hope will be as much present here.

73
Paul
PD0PSB

--- In sdr-users@yahoogroups.com, "Sandro" <badplayer64@...> wrote:
>
> Hello, maybe I'm wrong and I have misunderstood the purpose of this group.
>
> Shouldn't this be a "general" SDR technology discussion group?
>
> Why posting here specific questions that should be posted on the relevant groups (SDR Radio in this case for example)?
>
> 73 Sandro
>
>
> --- In sdr-users@yahoogroups.com, "relman2000" <fullerz999@> wrote:
> >
> > Hi Everyone,
> >
> > I have owned a funcube pro+ for a few weeks now and I am having an issue when using it with SDR Radio v2.
> >
> > The issue is around the freq tuning. I've followed the advice to setup the freq +/-. I have tuned into a few national FM stations and these all seem on the mark, this is when i have the freq +/- set to 0. I also get APRS coming through perfectly on 144.800 Mhz.
> >
> > My problem is when trying to tune into other things, one example is the ISS on 145.800. I know there is slight doppler effect but I pick this up around 145.5... its off by over a few .100's.
> >
> > I also have tried tuning into a local beacon GB3VHF 144.430, which I hear on 144.368.
> >
> > I am a little lost at what I can do to fix this any advice I'd be grateful for as I can't be sure I'm actually tuning into anything correctly.
> >
> > I am based in the UK.
> >
> > Thanks
> >
> > Paul.

> >
>

247. Re: Vanilla SDR

Yahoo group: sdr-users
Date: 2013-06-10 20:49:39 UTC
From: Lee Mushel
Topic: 247 Message: 247

I want to make sure I understand Sandro. As I see it he wants to talk about birds and others want to discuss robins? Please stop! As long as there is some, albeit vague and, perhaps even trivial thought, or if there is the slightest tenuous thread relating to SDR that interests someone I want to hear about it! No apologies, no feelings of guilt. There is just a common interest to enjoy.

73

Lee K9WRU
----- Original Message -----
From: <pd0psb@...>
To: <sdr-users@yahoogroups.com>
Sent: Monday, June 10, 2013 1:15 PM
Subject: [sdr-users] Re: SDR radio v2 and funcube pro+ tuning problem.

> It's hard to discuss PC's without touching Windows.
> It's just as hard to discuss "general SDR" without touching Simon's
> SDR-Radio ;-)
>
> Same goes for Studio 1 ofcourse, which I hope will be as much present
> here.
>
> 73
> Paul
> PD0PSB

248. Re: [sdr-users] WR-G35DDC 'EXCALIBUR Ultra' - Intriguing...

Yahoo group: sdr-users
Date: 2013-06-10 19:56:29 UTC
From: George Allen
Topic: 235 Message: 248

The specs for the new SDR from Winradio are intriguing! Has anyone played with the Winradio receivers, and does anyone have a feel for how it compares to the Flex-Radio transceivers when receiving?

George
K2CM
Vestal, NY

From: ruby2dx <ruby2dx@...>
To: sdr-users@yahoogroups.com
Sent: Monday, June 10, 2013 11:19 AM
Subject: [sdr-users] WR-G35DDC 'EXCALIBUR Ultra' - Preliminary Information

http://www.winradio.com/home/g35ddci.htm

32 MHz of instantaneous bandwidth!

249. Re: Vanilla SDR

Yahoo group: sdr-users
Date: 2013-06-10 20:00:05 UTC
From: Sandro
Topic: 247 Message: 249

Hey Lee, calm down and read carefully again my post: it was only an observation on what is the purpose of this group, nothing else.

Don't create a debate where there is none.

73 Sandro

--- In sdr-users@yahoogroups.com, "Lee Mushel" <herbert3@...> wrote:
>
> I want to make sure I understand Sandro. As I see it he wants to talk
> about birds and others want to discuss robins? Please stop! As long as
> there is some, albeit vague and, perhaps even trivial thought, or if there
> is the slightest tenuous thread relating to SDR that interests someone I
> want to hear about it! No apologies, no feelings of guilt. There is just
> a common interest to enjoy.
>
> 73
>
> Lee K9WRU
> ----- Original Message -----
> From: <pd0psb@...>
> To: <sdr-users@yahoogroups.com>
> Sent: Monday, June 10, 2013 1:15 PM
> Subject: [sdr-users] Re: SDR radio v2 and funcube pro+ tuning problem.
>
>
> > It's hard to discuss PC's without touching Windows.
> > It's just as hard to discuss "general SDR" without touching Simon's
> > SDR-Radio ;-)
> >
> > Same goes for Studio 1 ofcourse, which I hope will be as much present
> > here.
> >
> > 73
> > Paul
> > PD0PSB
>

250. Re: Vanilla SDR

Yahoo group: sdr-users
Date: 2013-06-10 20:26:32 UTC
From: pd0psb@...
Topic: 247 Message: 250

Don't worry Sandro,

Every developer of SDR hard- and software will undoubtedly get enough "airtime" in this group.

SDR Applications will certainly be one of them, especially after your invitation amongst Studio 1 users to post here.

I'm interested to read about any SDR product.

73
Paul
PD0PSB

--- In sdr-users@yahoogroups.com, "Sandro" <badplayer64@...> wrote:
>
> Hey Lee, calm down and read carefully again my post: it was only an observation on what is the purpose of this group, nothing else.
>
> Don't create a debate where there is none.
>
> 73 Sandro
>
>
> --- In sdr-users@yahoogroups.com, "Lee Mushel" <herbert3@> wrote:
> >
> > I want to make sure I understand Sandro. As I see it he wants to talk
> > about birds and others want to discuss robins? Please stop! As long as
> > there is some, albeit vague and, perhaps even trivial thought, or if there
> > is the slightest tenuous thread relating to SDR that interests someone I
> > want to hear about it! No apologies, no feelings of guilt. There is just
> > a common interest to enjoy.
> >
> > 73
> >
> > Lee K9WRU
> > ----- Original Message -----
> > From: <pd0psb@>
> > To: <sdr-users@yahoogroups.com>
> > Sent: Monday, June 10, 2013 1:15 PM
> > Subject: [sdr-users] Re: SDR radio v2 and funcube pro+ tuning problem.
> >
> >
> > > It's hard to discuss PC's without touching Windows.
> > > It's just as hard to discuss "general SDR" without touching Simon's
> > > SDR-Radio ;-)

> > >
> > > Same goes for Studio 1 ofcourse, which I hope will be as much present
> > > here.
> > >
> > > 73
> > > Paul
> > > PD0PSB
> >
>

251. Re: [sdr-users] WR-G35DDC 'EXCALIBUR Ultra' - Intriguing...

Yahoo group: sdr-users
Date: 2013-06-10 20:52:20 UTC
From: William H. Fite
Topic: 235 Message: 251

I have had the Excalibur since shortly after its release. I have done no comparative measurements. I use (formerly) my 5000 and (now) my 100D on the ham bands and the Excalibur for SWL.

Based on the "ear test," it is a very good receiver handicapped by an ill thought out UI. Despite the stupid display problems, I am saving my beans to buy the Excelsior.

Bill

--
I can explain it for you, but I can't comprehend it for you.

252. Re: [sdr-users] WR-G35DDC 'EXCALIBUR Ultra' - Intriguing...

Yahoo group: sdr-users
Date: 2013-06-10 21:19:36 UTC
From: Chris Wilson
Topic: 235 Message: 252

>
> The specs for the new SDR from Winradio are intriguing! Has anyone
> played with the Winradio receivers, and does anyone have a feel for
> how it compares to the Flex-Radio transceivers when receiving?

> George
> K2CM
> Vestal, NY

10/06/2013 22:18

Intriguing they are indeed. I am also intrigued by how much this
device might be? I suspect A LOT! Has anyone got an idea of how much
this thing may sell for? Thanks.

--
Best Regards,
Chris Wilson.

253. WR-G35DDC 'EXCALIBUR Ultra' - Preliminary Information

Yahoo group: sdr-users
Date: 2013-06-10 22:05:03 UTC
From: davearea51
Topic: 235 Message: 253

While we have not tried this specific radio, several members of DSES (look up DSES.org) have tried a number of the WinRadio products. None of us has managed to get them working satisfactorily for radio astronomy applications. The usual comment I get from members is great looking specs, but no software support. Not one in the group has ever gotten GNU operating for RA applications. I wish it were different as I, too, took a long hard look at the Excalibur. I took the advice of others far more versed in SDR technology within the DSES group than I. Yes, indeed, the 32 MHz instantaneous bandwidth is attractive, but..... software is the issue!

Dave - W0LEV

PS: Please don't flame me, but that's our experience with WinRadios.

254. Re: WR-G35DDC 'EXCALIBUR Ultra' - Preliminary Information

Yahoo group: sdr-users
Date: 2013-06-10 22:30:48 UTC
From: Sandro
Topic: 235 Message: 254

Actually there is support for software developers but only for Windows: Winradio provides an SDK so you can build your own interface.

In fact currently Studio 1 supports the Excalibur G31-DDC thru a third party dll (built thanks to the above SDK).

73 Sandro

--- In sdr-users@yahoogroups.com, "davearea51" <W0LEV@...> wrote:
>
> While we have not tried this specific radio, several members of DSES (look up DSES.org) have tried a number of the WinRadio products. None of us has managed to get them working satisfactorily for radio astronomy applications. The usual comment I get from members is great looking specs, but no software support. Not one in the group has ever gotten GNU operating for RA applications. I wish it were different as I, too, took a long hard look at the Excalibur. I took the advice of others far more versed in SDR technology within the DSES group than I. Yes, indeed, the 32 MHz instantaneous bandwidth is attractive, but..... software is the issue!
>
> Dave - W0LEV
>
> PS: Please don't flame me, but that's our experience with WinRadios.
>

255. RE: [sdr-users] WR-G35DDC 'EXCALIBUR Ultra' - Intriguing...

Yahoo group: sdr-users
Date: 2013-06-10 22:35:10 UTC
From: N9RO
Topic: 235 Message: 255

If you get an Excelsior please let us know what you think. I too have been looking at that.

Tim, N9RO

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of William H. Fite
Sent: Monday, June 10, 2013 3:52 PM
To: sdr-users@yahoogroups.com
Subject: Re: [sdr-users] WR-G35DDC 'EXCALIBUR Ultra' - Intriguing...

I have had the Excalibur since shortly after its release. I have done no comparative measurements. I use (formerly) my 5000 and (now) my 100D on the ham bands and the Excalibur for SWL.

Based on the "ear test," it is a very good receiver handicapped by an ill thought out UI. Despite the stupid display problems, I am saving my beans to buy the Excelsior.

Bill

--
I can explain it for you, but I can't comprehend it for you.

256. Re: [sdr-users] WR-G35DDC 'EXCALIBUR Ultra' - Intriguing...

Yahoo group: sdr-users
Date: 2013-06-10 22:39:22 UTC
From: George Allen
Topic: 235 Message: 256

I have requested a price from the manufacturer. Will post it when I get it.

George
K2CM

257. Re: WR-G35DDC 'EXCALIBUR Ultra' - Preliminary Information

Yahoo group: sdr-users
Date: 2013-06-10 22:43:41 UTC
From: William H. Fite
Topic: 235 Message: 257

No flames, Dave. I like my Excalibur very much but you hit the nail on the head: the software sucks. It works but it sure isn't friendly or intuitive.

Cannot comment on radio astronomy; that is outside my bush league experience.

Bill

--
I can explain it for you, but I can't comprehend it for you.

258. Re: [sdr-users] WR-G35DDC 'EXCALIBUR Ultra' - Intriguing...

Yahoo group: sdr-users
Date: 2013-06-10 22:44:37 UTC
From: William H. Fite
Topic: 235 Message: 258

You can call Bob Grove and get a price over the phone.

--
I can explain it for you, but I can't comprehend it for you.

260. About commercial advertisement...

Yahoo group: sdr-users
Date: 2013-06-10 22:57:50 UTC
From: sdr.users
Topic: 260 Message: 260

This group is not a forum for posting commercial advertising or for the sale of products or software. Please behave in a manner that would constitute good amateur radio practices.

73

Juan /K4LCD

262. RE: [sdr-users] About commercial advertisement...

Yahoo group: sdr-users
Date: 2013-06-11 01:43:27 UTC
From: george_gloria99@...
Topic: 260 Message: 262

Huh? I didn't see any advertisements. I did see a lot of discussions about a new product...and pricing for the new product. Is that ok?

I thought that we were all behaving?

George
K2CM

Sent from Yahoo! Mail for iPad

263. How to protect my Softrock Ensemble RXII input against RF burnout?

Yahoo group: sdr-users
Date: 2013-06-11 06:14:05 UTC
From: john_zl1azs
Topic: 263 Message: 263

Hi all,
Sure would appreciate some help with this. When running the Softrock RXII side by side with my 100w SSB/CW TX, what's a fail-safe way to protect the RXII?

I've read that relays are not fast enough, TX bypass(?) switches are cumbersome and easily forgotten in the heat of the moment.

I don't mind DIY and any experience-based advice hugely welcome.

Thanks

73 - John - ZL1AZS

264. Re: [sdr-users] How to protect my Softrock Ensemble RXII input against RF burnout?

Yahoo group: sdr-users
Date: 2013-06-11 07:40:03 UTC
From: Peter Johnson
Topic: 263 Message: 264

Hi John.

Look for this in the Softrock group files area, DEO RX Guard.
</group/softrock40/files/DEO%20RX%20Guard%20/>

Also ask on the group also for further info.

Peter F1VKK

On 11/06/2013 08:14, john_zl1azs wrote:
> Hi all,
> Sure would appreciate some help with this. When running the Softrock RXII side by side with my 100w SSB/CW TX, what's a fail-safe way to protect the RXII?
>
> I've read that relays are not fast enough, TX bypass(?) switches are cumbersome and easily forgotten in the heat of the moment.
>
> I don't mind DIY and any experience-based advice hugely welcome.
>
> Thanks
>
> 73 - John - ZL1AZS
>
>
>
> ------------------------------------
>
> Yahoo! Groups Links
>
>
>
>

265. Re: WR-G35DDC 'EXCALIBUR Ultra' - Preliminary Information

Yahoo group: sdr-users
Date: 2013-06-11 10:34:31 UTC
From: dgw007
Topic: 235 Message: 265

So do users of the Excalibur use a third party .dll or the one from the Bonito site? If its third party where can I download that one please ?

--- In sdr-users@yahoogroups.com, "Sandro" <badplayer64@...> wrote:
>
> Actually there is support for software developers but only for Windows: Winradio provides an SDK so you can build your own interface.
>
> In fact currently Studio 1 supports the Excalibur G31-DDC thru a third party dll (built thanks to the above SDK).
>
> 73 Sandro
>
>
> --- In sdr-users@yahoogroups.com, "davearea51" <W0LEV@> wrote:
> >
> > While we have not tried this specific radio, several members of DSES (look up DSES.org) have tried a number of the WinRadio products. None of us has managed to get them working satisfactorily for radio astronomy applications. The usual comment I get from members is great looking specs, but no software support. Not one in the group has ever gotten GNU operating for RA applications. I wish it were different as I, too, took a long hard look at the Excalibur. I took the advice of others far more versed in SDR technology within the DSES group than I. Yes, indeed, the 32 MHz instantaneous bandwidth is attractive, but..... software is the issue!
> >
> > Dave - W0LEV
> >
> > PS: Please don't flame me, but that's our experience with WinRadios.
> >
>

266. Re: [sdr-users] How to protect my Softrock Ensemble RXII input against RF burnout?

Yahoo group: sdr-users
Date: 2013-06-11 13:51:54 UTC
From: Lee Mushel
Topic: 263 Message: 266

I'd like to join John in this request since this is something I do often with SDR-IQ and Flex radios. At present I use an attenuator when appropriate but otherwise I rely on physical space (something most folks don't have) and operate two groups of antennas separated by 350 ft. of low loss cable. While I can tell that there is significant "overload" of the receivers nothing bad has happened (knock on wood). Of course, operating that 100 watt transceiver is done without an amplifier.

73

Lee K9WRU
----- Original Message -----
From: "john_zl1azs" <johnw@...>
To: <sdr-users@yahoogroups.com>
Sent: Tuesday, June 11, 2013 12:14 AM
Subject: [sdr-users] How to protect my Softrock Ensemble RXII input against RF burnout?

> Hi all,
> Sure would appreciate some help with this. When running the Softrock RXII
> side by side with my 100w SSB/CW TX, what's a fail-safe way to protect the
> RXII?

267. Re: How to protect my Softrock Ensemble RXII input against RF burnout?

Yahoo group: sdr-users
Date: 2013-06-11 13:03:28 UTC
From: Phil N8VB
Topic: 263 Message: 267

There is a RX protection circuit in the QS1R Wiki FAQ (Question 25) that works well:

<http://qs1r.wikispaces.com/QS1R+FAQ>

If you need a fast T/R switch, I can recommend the Dx Engineering RTR-1:
<http://www.dxengineering.com/parts/dxe-rtr-1>

73 Phil N8VB

--- In sdr-users@yahoogroups.com, "john_zl1azs" <johnw@...> wrote:
>
> Hi all,
> Sure would appreciate some help with this. When running the Softrock RXII side by side with my 100w SSB/CW TX, what's a fail-safe way to protect the RXII?
>
> I've read that relays are not fast enough, TX bypass(?) switches are cumbersome and easily forgotten in the heat of the moment.
>
> I don't mind DIY and any experience-based advice hugely welcome.
>
> Thanks
>
> 73 - John - ZL1AZS
>

268. Re: WR-G35DDC 'EXCALIBUR Ultra' - Preliminary Information

Yahoo group: sdr-users
Date: 2013-06-12 13:26:54 UTC
From: john
Topic: 235 Message: 268

To use the WR receivers, you dont need a 3rd party dll. The SDK tells you how to drive the rx hardware via the api dll. The SDK is here for the Excalibur http://www.winradio.co.uk/home/g31ddc_sdk.htm. What more could be provided I dont quite know. The bonito dll is simply an interface between the WR dll and other 3rd party apps.

John

--- In sdr-users@yahoogroups.com, "dgw007" <dgwooldridge@...> wrote:
>
> So do users of the Excalibur use a third party .dll or the one from the Bonito site? If its third party where can I download that one please ?
>
>
>
> --- In sdr-users@yahoogroups.com, "Sandro" <badplayer64@> wrote:
> >
> > Actually there is support for software developers but only for Windows: Winradio provides an SDK so you can build your own interface.
> >
> > In fact currently Studio 1 supports the Excalibur G31-DDC thru a third party dll (built thanks to the above SDK).
> >
> > 73 Sandro
> >
> >
> > --- In sdr-users@yahoogroups.com, "davearea51" <W0LEV@> wrote:
> > >
> > > While we have not tried this specific radio, several members of DSES (look up DSES.org) have tried a number of the WinRadio products. None of us has managed to get them working satisfactorily for radio astronomy applications. The usual comment I get from members is great looking specs, but no software support. Not one in the group has ever gotten GNU operating for RA applications. I wish it were different as I, too, took a long hard look at the Excalibur. I took the advice of others far more versed in SDR technology within the DSES group than I. Yes, indeed, the 32 MHz instantaneous bandwidth is attractive, but..... software is the issue!
> > >
> > > Dave - W0LEV
> > >
> > > PS: Please don't flame me, but that's our experience with WinRadios.
> > >
> >
>

269. Re: [sdr-users] Re: WR-G35DDC 'EXCALIBUR Ultra' - Preliminary Information

Yahoo group: sdr-users
Date: 2013-06-12 14:26:01 UTC
From: William H. Fite
Topic: 235 Message: 269

I use a dll from Bonito to run HDSDR on my Excalibur.

Bill

On Wed, Jun 12, 2013 at 9:26 AM, john <g8bup@...> wrote:

> **
>
>
>
> To use the WR receivers, you dont need a 3rd party dll. The SDK tells you
> how to drive the rx hardware via the api dll. The SDK is here for the
> Excalibur http://www.winradio.co.uk/home/g31ddc_sdk.htm. What more could
> be provided I dont quite know. The bonito dll is simply an interface
> between the WR dll and other 3rd party apps.
>
> John
>
>
> --- In sdr-users@yahoogroups.com, "dgw007" <dgwooldridge@...> wrote:
> >
> > So do users of the Excalibur use a third party .dll or the one from the
> Bonito site? If its third party where can I download that one please ?
> >
> >
> >
> > --- In sdr-users@yahoogroups.com, "Sandro" <badplayer64@> wrote:
> > >
> > > Actually there is support for software developers but only for
> Windows: Winradio provides an SDK so you can build your own interface.
> > >
> > > In fact currently Studio 1 supports the Excalibur G31-DDC thru a third
> party dll (built thanks to the above SDK).
> > >
> > > 73 Sandro
> > >
> > >
> > > --- In sdr-users@yahoogroups.com, "davearea51" <W0LEV@> wrote:
> > > >
> > > > While we have not tried this specific radio, several members of DSES
> (look up DSES.org) have tried a number of the WinRadio products. None of us
> has managed to get them working satisfactorily for radio astronomy
> applications. The usual comment I get from members is great looking specs,
> but no software support. Not one in the group has ever gotten GNU operating

> for RA applications. I wish it were different as I, too, took a long hard
> look at the Excalibur. I took the advice of others far more versed in SDR
> technology within the DSES group than I. Yes, indeed, the 32 MHz
> instantaneous bandwidth is attractive, but..... software is the issue!
> > > >
> > > > Dave - W0LEV
> > > >
> > > > PS: Please don't flame me, but that's our experience with WinRadios.
> > > >
> > >
> >
>
>
>

--
I can explain it for you, but I can't comprehend it for you.

270. Re: WR-G35DDC 'EXCALIBUR Ultra' - Preliminary Information

Yahoo group: sdr-users
Date: 2013-06-12 18:53:43 UTC
From: Sandro
Topic: 235 Message: 270

>The bonito dll is simply an interface between the WR dll and other 3rd party apps.

Yes, that is what I called third party dll (the Bonito dll).

73 Sandro

--- In sdr-users@yahoogroups.com, "john" <g8bup@...> wrote:
>
>
> To use the WR receivers, you dont need a 3rd party dll. The SDK tells you how to drive the rx hardware via the api dll. The SDK is here for the Excalibur http://www.winradio.co.uk/home/g31ddc_sdk.htm. What more could be provided I dont quite know. The bonito dll is simply an interface between the WR dll and other 3rd party apps.
>
> John
>
> --- In sdr-users@yahoogroups.com, "dgw007" <dgwooldridge@> wrote:
> >
> > So do users of the Excalibur use a third party .dll or the one from the Bonito site? If its third party where can I download that one please ?
> >
> >
> >
> > --- In sdr-users@yahoogroups.com, "Sandro" <badplayer64@> wrote:
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> > > Actually there is support for software developers but only for Windows: Winradio provides an SDK so you can build your own interface.
> > >
> > > In fact currently Studio 1 supports the Excalibur G31-DDC thru a third party dll (built thanks to the above SDK).
> > >
> > > 73 Sandro
> > >
> > >
> > > --- In sdr-users@yahoogroups.com, "davearea51" <W0LEV@> wrote:
> > > >
> > > > While we have not tried this specific radio, several members of DSES (look up DSES.org) have tried a number of the WinRadio products. None of us has managed to get them working satisfactorily for radio astronomy applications. The usual comment I get from members is great looking specs, but no software support. Not one in the group has ever gotten GNU operating for RA applications. I wish it were different as I, too, took a long hard look at the Excalibur. I took the advice of others far more versed in SDR technology within the DSES group than I. Yes, indeed, the 32 MHz instantaneous bandwidth is attractive, but..... software is the issue!
> > > >
> > > > Dave - W0LEV

> > > >
> > > > PS: Please don't flame me, but that's our experience with WinRadios.
> > > >
> > >
> >
>

272. (29) SDR Educational and informative articles from RSGB RadCom files UPLOADED!

Yahoo group: sdr-users
Date: 2013-06-13 01:20:52 UTC
From: sdr.users
Topic: 272 Message: 272

Dear friends,

Furthering the educational and informative purpose of this Users Discussion Group, we uploaded a collection of (29) articles authored by Steve Ireland, VK6VZ and Phil Harman VK6APH.

This collection is a complete tutorial and reference library, covering in the simplest of terms all aspects of Software Defined Radio SDR, since its beginning to its present State of the Art.

We thank the editors of RadCom and the Radio Society of Great Britain (RSGB), who own the copyrights for these splendid articles for their generosity authorizing us to publish them.

These articles are copyright © of the Radio Society of Great Britain (RSGB)and were originally published in their magazine, RadCom, between 04/2006 and 12/2008. They are reproduced here with their kind permission. For more information about the RSGB please visit www.rsgb.org <http://www.rsgb.org/>.

We also thank Steve, VK6VZ and Phil VK6APH, for their dedication, perseverance and enthusiasm during the almost three years they spent writing them.

To access these articles please visit:
http://groups.yahoo.com/group/sdr-users/files/

Enjoy.

73,

Juan /K4LCD

273. Re: (29) SDR Educational and informative articles from RSGB RadCom files UPLOADED!

Yahoo group: sdr-users
Date: 2013-06-13 02:49:50 UTC
From: Larry_Seiger
Topic: 272 Message: 273

Hello Juan /K4LCD

Thank you for the information.

You are doing a great job managing this group.

Thanks again for your efforts.

Larry
KK5AB

--- In sdr-users@yahoogroups.com, "sdr.users" <sdr.users@...> wrote:
>
> Dear friends,
>
> Furthering the educational and informative purpose of this Users Discussion
> Group, we uploaded a collection of (29) articles authored by Steve Ireland,
> VK6VZ and Phil Harman VK6APH.
>
> This collection is a complete tutorial and reference library, covering in the
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>
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> were originally published in their magazine, RadCom, between 04/2006 and
> 12/2008. They are reproduced here with their kind permission. For more
> information about the RSGB please visit www.rsgb.org <http://www.rsgb.org/>.
>
> We also thank Steve, VK6VZ and Phil VK6APH, for their dedication, perseverance
> and enthusiasm during the almost three years they spent writing them.
>
> To access these articles please visit:
> http://groups.yahoo.com/group/sdr-users/files/
>
> Enjoy.
>
> 73,
>
> Juan /K4LCD
>

274. Re: (29) SDR Educational and informative articles from RSGB RadCom files UPLOADED!

Yahoo group: sdr-users
Date: 2013-06-13 06:13:20 UTC
From: pd0psb@...
Topic: 272 Message: 274

Excellent reading!
Thank you very much for making them available.
73
Paul
PD0PSB

--- In sdr-users@yahoogroups.com, "sdr.users" <sdr.users@...> wrote:
>
> Dear friends,
>
> Furthering the educational and informative purpose of this Users Discussion
> Group, we uploaded a collection of (29) articles authored by Steve Ireland,
> VK6VZ and Phil Harman VK6APH.
>
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> We also thank Steve, VK6VZ and Phil VK6APH, for their dedication, perseverance
> and enthusiasm during the almost three years they spent writing them.
>
> To access these articles please visit:
> http://groups.yahoo.com/group/sdr-users/files/
>
> Enjoy.
>
> 73,
>
> Juan /K4LCD
>

275. Re: [sdr-users] (29) SDR Educational and informative articles from RSGB RadCom files UPLOADED!

Yahoo group: sdr-users
Date: 2013-06-13 08:42:38 UTC
From: Henry
Topic: 271 Message: 275

Many thanks Juan.

On 13/06/2013 8:54 AM, sdr.users wrote:
> Dear friends,
>
> Furthering the educational and informative purpose of this Users Discussion Group, we uploaded a collection of (29) articles authored by Steve Ireland, VK6VZS and Phil Harman VK6APH.
>
> This collection is a complete tutorial and reference library, covering in the simplest of terms all aspects of Software Defined Radio SDR, since its beginning to its present State of the Art.
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>
> To access these articles please visit: http://groups.yahoo.com/group/sdr-users/files/
>
> Enjoy.
>
> 73,
>
> Juan /K4LCD
>

276. Re: [sdr-users] (29) SDR Educational and informative articles from RSGB RadCom files UPLOADED!

Yahoo group: sdr-users
Date: 2013-06-13 14:36:13 UTC
From: Joe Giacobello, K2XX
Topic: 271 Message: 276

Thanks, Juan and, of course, to Steve and Phil. Great repository of technical background for SD technology.

73, Joe
K2XX

> sdr.users <mailto:sdr.users@...>
> Wednesday, June 12, 2013 6:54 PM
>
> Dear friends,
>
> Furthering the educational and informative purpose of this Users
> Discussion Group, we uploaded a collection of (29) articles authored
> by Steve Ireland, VK6VZS and Phil Harman VK6APH.
>
> This collection is a complete tutorial and reference library, covering
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> www.rsgb.org <http://www.rsgb.org/>.
>
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> perseverance and enthusiasm during the almost three years they spent
> writing them.
>
> To access these articles please visit:
> http://groups.yahoo.com/group/sdr-users/files/
>
> Enjoy.
>
> 73,
>
> Juan /K4LCD
>
>

277. Re: (29) SDR Educational and informative articles from RSGB RadCom files UPLOADED!

Yahoo group: sdr-users
Date: 2013-06-13 15:47:23 UTC
From: mdulcey
Topic: 272 Message: 277

Is it my imagination, or is some of part 1 missing from the posted PDF? The file I downloaded has 3 pages and page 3 is a FlexRadio ad. The part 2 text starts off with "last month we explained how the FlexRadio 1000 provided up to 90db of image rejection" but part 1 cuts off at "obtaining the level of image rejection typically achieved by a receiver using superheterodyne principles has historically proven far more difficult".

--- In sdr-users@yahoogroups.com, "sdr.users" <sdr.users@...> wrote:
>
> Dear friends,
>
> Furthering the educational and informative purpose of this Users Discussion
> Group, we uploaded a collection of (29) articles authored by Steve Ireland,
> VK6VZ and Phil Harman VK6APH.
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> This collection is a complete tutorial and reference library, covering in the
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>
> We also thank Steve, VK6VZ and Phil VK6APH, for their dedication, perseverance
> and enthusiasm during the almost three years they spent writing them.
>
> To access these articles please visit:
> http://groups.yahoo.com/group/sdr-users/files/
>
> Enjoy.
>
> 73,
>
> Juan /K4LCD
>

278. Hello and...

Yahoo group: sdr-users
Date: 2013-06-13 23:19:39 UTC
From: EverStaR
Topic: 278 Message: 278

I am new here, I have been lurking for a few days just listening in and probably will continue to do that by and large.

I am a SDR enthusiast and like reading and earning about SDRs so the invite to join was obviously too much to resist! Many thanks!

My website has a lot of SDR related articles if that interests you, I am sure many here know me from other forums.

Radios I own right now are the KX3 (sometimes use it with NAP3 and Studio 1) a Flex 5000 and my newest is the Anan 100D. I like them all as well as having interest in others like the new Flex 6700.

I am not a brand fan so I like to talk the real deal on all radios, I hope that wont offend anyone. Just let me know if I ever do.

Thanks for the nice articles today, very fun reading!

If I can be of help, just let me know. For newer SDR users I have written an SDR PC Help Guide you can find on the Apache Labs Group as well as a digital modes guide. I'll be happy to post them here if folks want as well.

Nice meeting you all and hoping we have lots of fun conversations!

73
NI0Z
Mark
http://roaringstar.com/index.php/articles

280. LINK added to PDF file of: FPGA Programming for the Masses.

Yahoo group: sdr-users
Date: 2013-06-14 10:41:02 UTC
From: sdr.users
Topic: 280 Message: 280

http://groups.yahoo.com/group/sdr-users/links

Dear friends,

A few days ago there was a conversation at another yahoo users group, that never migrated to this SDR (Software Defined Radio) User's Discussion Group.

This document entitled: FPGA Programming for the Masses
The programmability of FPGAs must improve if they are to be part of mainstream computing. Written by David F. Bacon, Rodric Rabbah, Sunil Shukla, T.J. Watson Research Center, goes to the center of that conversation.

The authors discuss in depth the issue of programmability of the FPGA, an essential device, present in all "leading edge" State of the Art SDR Radios currently available or under development.

We provide this link in furthering the Educational and Informative purpose of thisUser's Discussion Group.

Enjoy.

73

Juan /K4LCD

281. Re: (29) SDR Educational and informative articles from RSGB RadCom files UPLOADED!

Yahoo group: sdr-users
Date: 2013-06-14 14:04:44 UTC
From: kf5oxi
Topic: 272 Message: 281

I noticed the same thing. Either part of the first article is missing, or there is a sequence problem with the articles. I have't looked through them all yet to see if the latter is the problem.

73, Greg, kf5oxi

--- In sdr-users@yahoogroups.com, "mdulcey" <mark@...> wrote:
>
> Is it my imagination, or is some of part 1 missing from the posted PDF? The file I downloaded has 3 pages and page 3 is a FlexRadio ad. The part 2 text starts off with "last month we explained how the FlexRadio 1000 provided up to 90db of image rejection" but part 1 cuts off at "obtaining the level of image rejection typically achieved by a receiver using superheterodyne principles has historically proven far more difficult".
>
> --- In sdr-users@yahoogroups.com, "sdr.users" <sdr.users@> wrote:
> >
> > Dear friends,
> >
> > Furthering the educational and informative purpose of this Users Discussion
> > Group, we uploaded a collection of (29) articles authored by Steve Ireland,
> > VK6VZ and Phil Harman VK6APH.
> >
> > This collection is a complete tutorial and reference library, covering in the
> > simplest of terms all aspects of Software Defined Radio SDR, since its beginning
> > to its present State of the Art.
> >
> > We thank the editors of RadCom and the Radio Society of Great Britain (RSGB),
> > who own the copyrights for these splendid articles for their generosity
> > authorizing us to publish them.
> >
> > These articles are copyright © of the Radio Society of Great Britain (RSGB)and
> > were originally published in their magazine, RadCom, between 04/2006 and
> > 12/2008. They are reproduced here with their kind permission. For more
> > information about the RSGB please visit www.rsgb.org <http://www.rsgb.org/>.
> >
> > We also thank Steve, VK6VZ and Phil VK6APH, for their dedication, perseverance
> > and enthusiasm during the almost three years they spent writing them.
> >
> > To access these articles please visit:
> > http://groups.yahoo.com/group/sdr-users/files/
> >
> > Enjoy.
> >
> > 73,

> >
> > Juan /K4LCD
> >
>

282. 2 tone IMD testing of quadrature SDR transmitters.

Yahoo group: sdr-users
Date: 2013-06-15 10:06:31 UTC
From: Chris Wilson
Topic: 282 Message: 282

15/06/2013 10:56

I have been attempting to measure the IMD of a Softrock Ensemble RXTX
I have, using my HP8568B spectrum analyser. Mistakenly I have been
feeding the SDR with a basic two tone audio signal created in
Audacity, the audio software package.

I got the results seen at http://www.gatesgarth.com/IMD-SCANS/imd.zip

The basic audio two tone input shows as a double sideband signal!

I am out of my comfort zone here.

It seems I need to use something
that generates a two tone IQ signal like the elderly and basic
software from : http://dl6iak.etonlein.de/projects/2001-04-28.htm

This doesn't allow me to easily direct its signal to the SDR. Has
anyone here much experience of IMD measurement in quadrature SDR's
using a spectrum analyser, and if so, what did you use, and would you
share some SA screen shots please? Thanks.

--
Best Regards,
Chris Wilson.
mailto: chris@...

283. Re: [sdr-users] 2 tone IMD testing of quadrature SDR transmitters.

Yahoo group: sdr-users
Date: 2013-06-15 16:20:11 UTC
From: Alberto I2PHD
Topic: 282 Message: 283

On 6/15/2013 12:06 PM, Chris Wilson wrote:

> /It seems I need to use something
> that generates a two tone IQ signal/

You could try my very old program TCube, which you can find here :

http://www.weaksignals.com

If you press the "I/Q mode" button, the left channel of the sound card will output an audio tone
90 degrees out of phase with an identical amplitude and frequency signal output on the right channel .

--
/*73 Alberto I2PHD*/

284. Re: [sdr-users] 2 tone IMD testing of quadrature SDR transmitters.

Yahoo group: sdr-users
Date: 2013-06-15 19:59:19 UTC
From: Chris Wilson
Topic: 282 Message: 284

>
> On 6/15/2013 12:06 PM, Chris Wilson wrote:

> It seems I need to use something

> that generates a two tone IQ signal

> You could try my very old program TCube, which you can find here :

> http://www.weaksignals.com

> If you press the "I/Q mode" button, the left channel of the sound card will output an audio tone
> 90 degrees out of phase with an identical amplitude and frequency
> signal output on the right channel .

15/06/2013 20:58

Thank you Alberto, have downloaded and works fine. Appreciated.

--
Best Regards,
Chris Wilson.

285. HAPPY FATHERS DAY!

Yahoo group: sdr-users
Date: 2013-06-16 11:13:10 UTC
From: sdr.users
Topic: 285 Message: 285

We wish all fathers a happy Fathers Day.

We celebrate Father's day today in the United States.

Thank you all for supporting this User's Group with your membership.

73

Juan /K4LCD

286. Re: HAPPY FATHERS DAY!

Yahoo group: sdr-users
Date: 2013-06-18 15:50:14 UTC
From: kf5oxi
Topic: 285 Message: 286

Thx Juan! Happy Father's Day to the rest of the group as well!

73, Greg, kf5oxi

--- In sdr-users@yahoogroups.com, "sdr.users" <sdr.users@...> wrote:
>
> We wish all fathers a happy Fathers Day.
>
> We celebrate Father's day today in the United States.
>
> Thank you all for supporting this User's Group with your membership.
>
>
> 73
>
> Juan /K4LCD
>

287. SDR PC Help Guide

Yahoo group: sdr-users
Date: 2013-06-18 17:00:39 UTC
From: EverStaR
Topic: 287 Message: 287

You can find this guide which has been developed for new SDR users in an effort to offer more information about the PC side of SDR radio. Includes some of the basics on choosing a PC and troubleshooting common issues that SDR users encounter with the PCs.

TinyURL.com/SDRPCHELPGUIDE

The guide is free and I am not affiliated with any commercial Ham company or venture.

73!
Mark
NI0Z
RoaringStaR.com

288. Re: [sdr-users] SDR PC Help Guide

Yahoo group: sdr-users
Date: 2013-06-18 21:12:29 UTC
From: Chris Wilson
Topic: 287 Message: 288

>
> You can find this guide which has been developed for new SDR users
> in an effort to offer more information about the PC side of SDR
> radio. Includes some of the basics on choosing a PC and
> troubleshooting common issues that SDR users encounter with the PCs.

> TinyURL.com/SDRPCHELPGUIDE

> The guide is free and I am not affiliated with any commercial Ham company or venture.

> 73!
> Mark
> NI0Z
> RoaringStaR.com

18/06/2013 22:10

I have only had chance to skim through it Mark, but it seems an
awesome document and will no doubt be a big help when I upgrade my PC,
something I don't do often, so I need to do it right. Thanks, great
stuff!

--
Best Regards,
Chris Wilson.

289. Re: [sdr-users] SDR PC Help Guide

Yahoo group: sdr-users
Date: 2013-06-19 09:19:00 UTC
From: Ian Wade G3NRW
Topic: 287 Message: 289

___Original Message_____________________________________
From: EverStaR <nova@...>
Date: Tue, 18 Jun 2013 Time: 17:00:39

>TinyURL.com/SDRPCHELPGUIDE
>

Mark

Is there any way I can read this without using Google? Google wants me
to sign up to goodness-knows-what, and I don't want to join!

Thanks

--
73
Ian, G3NRW

290. Re: SDR PC Help Guide

Yahoo group: sdr-users
Date: 2013-06-19 14:20:24 UTC
From: cc_photo
Topic: 287 Message: 290

I have the same concerns about Google, and the problems that result from this. I would appreciate a different 'clean' source as well.

Roland, KB8XI

--- In sdr-users@yahoogroups.com, Ian Wade G3NRW <g3nrw-radio@...> wrote:
>
> ___Original Message_____________________________________
> From: EverStaR <nova@...>
> Date: Tue, 18 Jun 2013 Time: 17:00:39
>
> >TinyURL.com/SDRPCHELPGUIDE
> >
>
>
> Mark
>
> Is there any way I can read this without using Google? Google wants me
> to sign up to goodness-knows-what, and I don't want to join!
>
> Thanks
>
> --
> 73
> Ian, G3NRW
>

291. Re: [sdr-users] Re: SDR PC Help Guide

Yahoo group: sdr-users
Date: 2013-06-19 14:36:10 UTC
From: Kevin Kleinfelter
Topic: 287 Message: 291

The tinyURL points to
https://docs.google.com/file/d/0B0XIuMznsVjhYTcyaW9qMmRoSTg/edit . I was
able to access that URL using my browser's private/no-cookie mode.

On Wed, Jun 19, 2013 at 10:20 AM, cc_photo <r-burgan@charter.net> wrote:

> **
>
>
> I have the same concerns about Google, and the problems that result from
> this. I would appreciate a different 'clean' source as well.
>
> Roland, KB8XI
>
> --- In sdr-users@yahoogroups.com, Ian Wade G3NRW <g3nrw-radio@...> wrote:
> >
> > ___Original Message_____________________________________
> > From: EverStaR <nova@...>
>
> > Date: Tue, 18 Jun 2013 Time: 17:00:39
> >
> > >TinyURL.com/SDRPCHELPGUIDE
> > >
> >
> >
> > Mark
> >
> > Is there any way I can read this without using Google? Google wants me
> > to sign up to goodness-knows-what, and I don't want to join!
> >
> > Thanks
> >
> > --
> > 73
> > Ian, G3NRW
> >
>
>
>

292. Re: SDR PC Help Guide

Yahoo group: sdr-users
Date: 2013-06-19 14:43:16 UTC
From: rossgs2000
Topic: 287 Message: 292

Roland and Mark,

That url displays on Firefox with "File Edit View Help" under the file name in the upper left.
I clicked on File and found Download as the bottom option. Downloaded without any signup issues.
I too have had aggravations with google docs in the past, but this seems to be working just fine.

Cheers
Ross vk3ucr

PS. I've really enjoyed those Radcom articles.

293. AW: [sdr-users] Re: SDR PC Help Guide

Yahoo group: sdr-users
Date: 2013-06-19 19:17:49 UTC
From: siegfried jackstien
Topic: 287 Message: 293

I could download it without google activation

In upper left corner there is "File" ... clicking on it opened a menue

Selected save as (strg+s) ...

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] Im
> Auftrag von cc_photo
> Gesendet: Mittwoch, 19. Juni 2013 14:20
> An: sdr-users@yahoogroups.com
> Betreff: [sdr-users] Re: SDR PC Help Guide
>
>
>
> I have the same concerns about Google, and the problems that result from
> this. I would appreciate a different 'clean' source as well.
>
> Roland, KB8XI
>
> --- In sdr-users@yahoogroups.com <mailto:sdr-users%40yahoogroups.com> ,
> Ian Wade G3NRW <g3nrw-radio@...> wrote:
> >
> > ___Original Message_____
> > From: EverStaR <nova@...>
> > Date: Tue, 18 Jun 2013 Time: 17:00:39
> >
> > >TinyURL.com/SDRPCHELPGUIDE
> > >
> >
> >
> > Mark
> >
> > Is there any way I can read this without using Google? Google wants me
> > to sign up to goodness-knows-what, and I don't want to join!
> >
> > Thanks
> >
> > --
> > 73
> > Ian, G3NRW
> >

>
>
>
>

294. Re: SDR PC Help Guide

Yahoo group: sdr-users
Date: 2013-06-20 03:07:22 UTC
From: EverStaR
Topic: 287 Message: 294

I am fine if Juan wants to upload it here to the file section. I don't have access to do that otherwise I would post it here for everyone's convienance.

Give me some time and eventually I will expand it after I recoup a bit from round one. :)

There is a Digital Modes guide that is well along the way as well that can be uploaded here, but its in large part geared towards PowerSDR users.

Last but not least I might attempt a PowerSDR MRX guide, still stewing on that one as I will need some MRX experts to help me with parts of it.

I hope the guide is useful!

73!
NI0Z
Mark

--- In sdr-users@yahoogroups.com, "siegfried jackstien" <siegfried.jackstien@...> wrote:
>
> I could download it without google activation
>
> In upper left corner there is "File" ... clicking on it opened a menue
>
> Selected save as (strg+s) ...
>
> Dg9bfc
>
> Sigi
>
>
> > -----Ursprüngliche Nachricht-----
> > Von: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] Im
> > Auftrag von cc_photo
> > Gesendet: Mittwoch, 19. Juni 2013 14:20
> > An: sdr-users@yahoogroups.com
> > Betreff: [sdr-users] Re: SDR PC Help Guide
> >
> >
> >
> > I have the same concerns about Google, and the problems that result from
> > this. I would appreciate a different 'clean' source as well.
> >
> > Roland, KB8XI
> >
> > --- In sdr-users@yahoogroups.com <mailto:sdr-users%40yahoogroups.com> ,
> > Ian Wade G3NRW <g3nrw-radio@> wrote:

> > >
> > > ___Original Message_____
> > > From: EverStaR <nova@>
> > > Date: Tue, 18 Jun 2013 Time: 17:00:39
> > >
> > > >TinyURL.com/SDRPCHELPGUIDE
> > > >
> > >
> > >
> > > Mark
> > >
> > > Is there any way I can read this without using Google? Google wants me
> > > to sign up to goodness-knows-what, and I don't want to join!
> > >
> > > Thanks
> > >
> > > --
> > > 73
> > > Ian, G3NRW
> > >
> >
> >
> >
> >
>

295. Using VAC for IMD 2 tone testing. Does VAC degrade the audio signal?

Yahoo group: sdr-users
Date: 2013-06-20 08:21:09 UTC
From: Chris Wilson
Topic: 295 Message: 295

20/06/2013 09:20

If you use VAC to put a 2 tone combined audio file into an SDR TX does
VAC degrade the audio signal? Does it make the test flawed? Just curious as
I have been playing with testing SDR's on my spectrum analyser to see
optimum drive levels for low IMD. Thanks.

--
Best Regards,
Chris Wilson.
mailto: chris@...

296. Re: SDR PC Help Guide

Yahoo group: sdr-users
Date: 2013-06-20 13:25:39 UTC
From: tomwarren
Topic: 287 Message: 296

Mark,

Thanks for the fine piece of work. I find it to be excellent material to add to my 'reference library'. Glad to read that you
are working on more.

73
Tom
W4TMW

297. Re: SDR PC Help Guide

Yahoo group: sdr-users
Date: 2013-06-20 16:26:59 UTC
From: dan
Topic: 287 Message: 297

that's quite a 'rice rocket' !!

K3NC has been building SDR ready pc's for flex guys for a while...and
he often offers a BOM for guys who like to build their own..he gives
four choices, for varying budgets, on his site at:

http://www.abrohamnealsoftware.com/Hardware.htm

i assembled his 'entry level' machine about a year ago, and it
works VERY well, with DPC's in the teens, typically, even with
a USB wifi stick...win7 64 bits with a SSD, boots up very quickly

just my $0.02 worth...73, w5xz, dan

298. AW: [sdr-users] Using VAC for IMD 2 tone testing. Does VAC degrade the audio signal?

Yahoo group: sdr-users
Date: 2013-06-20 18:25:35 UTC
From: siegfried jackstien
Topic: 295 Message: 298

I can not say anything about 2 tones ... but I decode weather balloons (sondes) on 400 megs

Works superb with stereomix

No decode when using vac

?!?!?!?!?!?

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] Im
> Auftrag von Chris Wilson
> Gesendet: Donnerstag, 20. Juni 2013 08:21
> An: sdr-users@yahoogroups.com
> Betreff: [sdr-users] Using VAC for IMD 2 tone testing. Does VAC degrade
> the audio signal?
>
>
>
> 20/06/2013 09:20
>
> If you use VAC to put a 2 tone combined audio file into an SDR TX does
> VAC degrade the audio signal? Does it make the test flawed? Just curious
> as
> I have been playing with testing SDR's on my spectrum analyser to see
> optimum drive levels for low IMD. Thanks.
>
>
> --
> Best Regards,
> Chris Wilson.
> mailto: chris@...
>
>
>
> ------------------------------------
>
> Yahoo! Groups Links
>
>
>

299. Re: Using VAC for IMD 2 tone testing. Does VAC degrade the audio signal?

Yahoo group: sdr-users
Date: 2013-06-20 18:39:42 UTC
From: pd0psb@...
Topic: 295 Message: 299

Hi Chris,

There have been several reports about artifacts caused somewhere in the virtual audio patches by people decoding data from SDR via VAC. These may be caused by resampling and reclocking.

I think it would be very wise to always have a bandwidth limitation LPF/BPF between a VAC audio patch and the modulator of a SDR transmitter...

73
Paul
PD0PSB

--- In sdr-users@yahoogroups.com, Chris Wilson <chris@...> wrote:
>
>
>
> 20/06/2013 09:20
>
> If you use VAC to put a 2 tone combined audio file into an SDR TX does
> VAC degrade the audio signal? Does it make the test flawed? Just curious as
> I have been playing with testing SDR's on my spectrum analyser to see
> optimum drive levels for low IMD. Thanks.
>
>
> --
> Best Regards,
> Chris Wilson.
> mailto: chris@...
>

300. AW: [sdr-users] Re: Using VAC for IMD 2 tone testing. Does VAC degrade the audio signal?

Yahoo group: sdr-users
Date: 2013-06-20 18:59:30 UTC
From: siegfried jackstien
Topic: 295 Message: 300

Hello paul ... artifacts?!? ... that could be the reason why the audio "sounded" like normal from the weather sondes but the decoding did not work with vac

I tried to decode 2 sondes with 2 different sdr soft and 2 sticks (fcd and fcd+) ... regardless what I tried ... no decode with vac but fine decode with using stereomix (did not try external usb soundcard and a loop cable yet)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] Im
> Auftrag von pd0psb@...
> Gesendet: Donnerstag, 20. Juni 2013 18:40
> An: sdr-users@yahoogroups.com
> Betreff: [sdr-users] Re: Using VAC for IMD 2 tone testing. Does VAC
> degrade the audio signal?
>
>
>
> Hi Chris,
>
> There have been several reports about artifacts caused somewhere in the
> virtual audio patches by people decoding data from SDR via VAC. These may
> be caused by resampling and reclocking.
>
> I think it would be very wise to always have a bandwidth limitation
> LPF/BPF between a VAC audio patch and the modulator of a SDR
> transmitter...
>
> 73
> Paul
> PD0PSB
>
> --- In sdr-users@yahoogroups.com <mailto:sdr-users%40yahoogroups.com> ,
> Chris Wilson <chris@...> wrote:
> >
> >
> >
> > 20/06/2013 09:20
> >
> > If you use VAC to put a 2 tone combined audio file into an SDR TX does

> > VAC degrade the audio signal? Does it make the test flawed? Just curious
> as
> > I have been playing with testing SDR's on my spectrum analyser to see
> > optimum drive levels for low IMD. Thanks.
> >
> >
> > --
> > Best Regards,
> > Chris Wilson.
> > mailto: chris@...
> >
>
>
>
>

301. Re: [sdr-users] Re: SDR PC Help Guide

Yahoo group: sdr-users
Date: 2013-06-20 19:28:18 UTC
From: Dave Movius
Topic: 287 Message: 301

Kevin,

Thanks for this document. I am a technology challenged student of SDR, and your work has certainly demystified a whole lot of issues. This is appreciated!

Dave W7IWW

On Jun 19, 2013, at 8:36 AM, Kevin Kleinfelter <kleinfelter.groups@...> wrote:

> The tinyURL points to https://docs.google.com/file/d/0B0XIuMznsVjhYTcyaW9qMmRoSTg/edit . I was able to access that URL using my browser's private/no-cookie mode.
>
>
>
> On Wed, Jun 19, 2013 at 10:20 AM, cc_photo <r-burgan@...> wrote:
>>
>> I have the same concerns about Google, and the problems that result from this. I would appreciate a different 'clean' source as well.
>>
>> Roland, KB8XI
>>
>> --- In sdr-users@yahoogroups.com, Ian Wade G3NRW <g3nrw-radio@...> wrote:
>> >
>> > ___Original Message_____________________________________
>> > From: EverStaR <nova@...>
>>
>>
>> > Date: Tue, 18 Jun 2013 Time: 17:00:39
>> >
>> > >TinyURL.com/SDRPCHELPGUIDE
>> > >
>> >
>> >
>> > Mark
>> >
>> > Is there any way I can read this without using Google? Google wants me
>> > to sign up to goodness-knows-what, and I don't want to join!
>> >
>> > Thanks
>> >
>> > --
>> > 73
>> > Ian, G3NRW
>> >
>
>

302. Re: [sdr-users] Re: SDR PC Help Guide

Yahoo group: sdr-users
Date: 2013-06-20 20:01:08 UTC
From: Kevin Kleinfelter
Topic: 287 Message: 302

Ummm... I'm not connected with the content of the document. I simply
followed the TinyURL to read the doc and checked to be sure it could be
accessed without a Google login.
Thanks,
Kevin

On Thu, Jun 20, 2013 at 3:28 PM, Dave Movius <dave.movius@...> wrote:

> **
>
>
> Kevin,
>
> Thanks for this document. I am a technology challenged student of SDR,
> and your work has certainly demystified a whole lot of issues. This is
> appreciated!
>
> Dave W7IWW
>
> On Jun 19, 2013, at 8:36 AM, Kevin Kleinfelter <
> kleinfelter.groups@...> wrote:
>
>
>
>
> The tinyURL points to
> https://docs.google.com/file/d/0B0XIuMznsVjhYTcyaW9qMmRoSTg/edit . I
> was able to access that URL using my browser's private/no-cookie mode.
>
>
> On Wed, Jun 19, 2013 at 10:20 AM, cc_photo <r-burgan@...> wrote:
>
>> **
>>
>>
>> I have the same concerns about Google, and the problems that result from
>> this. I would appreciate a different 'clean' source as well.
>>
>> Roland, KB8XI
>>
>> --- In sdr-users@yahoogroups.com, Ian Wade G3NRW <g3nrw-radio@...> wrote:
>> >
>> > ___Original Message_____________________________________
>> > From: EverStaR <nova@...>
>>
>> > Date: Tue, 18 Jun 2013 Time: 17:00:39

>> >
>> > >TinyURL.com/SDRPCHELPGUIDE
>> > >
>> >
>> >
>> > Mark
>> >
>> > Is there any way I can read this without using Google? Google wants me
>> > to sign up to goodness-knows-what, and I don't want to join!
>> >
>> > Thanks
>> >
>> > --
>> > 73
>> > Ian, G3NRW
>> >
>>
>>
>
>

303. Re: SDR PC Help Guide

Yahoo group: sdr-users
Date: 2013-06-20 21:29:45 UTC
From: Alex K2BB
Topic: 287 Message: 303

Sent from my iPad

304. Re: [sdr-users] Re: Using VAC for IMD 2 tone testing. Does VAC degrade the audio signal?

Yahoo group: sdr-users
Date: 2013-06-20 22:14:05 UTC
From: Chris Wilson
Topic: 295 Message: 304

>
> Hi Chris,

> There have been several reports about artifacts caused somewhere in
> the virtual audio patches by people decoding data from SDR via VAC.
> These may be caused by resampling and reclocking.

> I think it would be very wise to always have a bandwidth limitation
> LPF/BPF between a VAC audio patch and the modulator of a SDR transmitter...

> 73
> Paul
> PD0PSB

20/06/2013 23:13

Thanks Paul! Interesting info, I feared things may not be that
straightforward feeding audio via VAC.

--
Best Regards,
Chris Wilson.

305. Re: [sdr-users] Re: SDR PC Help Guide

Yahoo group: sdr-users
Date: 2013-06-20 22:17:29 UTC
From: Dave Hartman
Topic: 287 Message: 305

Yeah, so?

Sent from my MilkyWay-2
On 6/20/2013 5:29 PM, Alex K2BB wrote:
>
>
>
> Sent from my iPad
>
>

306. Re: Using VAC for IMD 2 tone testing. Does VAC degrade the audio signal?

Yahoo group: sdr-users
Date: 2013-06-21 03:43:56 UTC
From: Peter
Topic: 295 Message: 306

Hi Guys,

I'm curious to know what actual problems you're having with VAC.
I use VAC 4.12.0.4974 on my W7/64 Pro system with no problems at all.
Decodes DRM, NOAA, analog & digital SSTV, FDMDV & FreeDV digital voice,
etc etc.

I found that it takes a little time to get the latency settings right,
but there is a wealth of documentation supplied - when all else fails,
read the manual as they say. J

Most problems seem to be generated in the operating system, not VAC.
So make sure as little visual 'fruit' as possible is being used -
sliding pop-ups, window transitions, mouse trails, etc.

Hope this gives you something more to try.

Rgds,
Pete

--- In sdr-users@yahoogroups.com, Chris Wilson <chris@...> wrote:
>
>
>
> >
> > Hi Chris,
>
> > There have been several reports about artifacts caused somewhere in
> > the virtual audio patches by people decoding data from SDR via VAC.
> > These may be caused by resampling and reclocking.
>
> > I think it would be very wise to always have a bandwidth limitation
> > LPF/BPF between a VAC audio patch and the modulator of a SDR transmitter...
>
> > 73
> > Paul
> > PD0PSB
>
>
>
> 20/06/2013 23:13
>
> Thanks Paul! Interesting info, I feared things may not be that
> straightforward feeding audio via VAC.
>
> --

> Best Regards,
> Chris Wilson.
>

307. Re: Using VAC for IMD 2 tone testing. Does VAC degrade the audio signal?

Yahoo group: sdr-users
Date: 2013-06-21 04:59:15 UTC
From: Erik
Topic: 295 Message: 307

Hi Chris,

Have you tried VB-Audio? I just installed it this afternoon and have been using it to receive PSK31 using PowerSDR and Fldigi. The setup was very simple and it works well.

I have tried VAC, but it was a pain to set up.

73 de ve7mdl, ...Erik.

--- In sdr-users@yahoogroups.com, Chris Wilson <chris@...> wrote:
>
>
>
> >
> > Hi Chris,
>
> > There have been several reports about artifacts caused somewhere in
> > the virtual audio patches by people decoding data from SDR via VAC.
> > These may be caused by resampling and reclocking.
>
> > I think it would be very wise to always have a bandwidth limitation
> > LPF/BPF between a VAC audio patch and the modulator of a SDR transmitter...
>
> > 73
> > Paul
> > PD0PSB
>
>
>
> 20/06/2013 23:13
>
> Thanks Paul! Interesting info, I feared things may not be that
> straightforward feeding audio via VAC.
>
> --
> Best Regards,
> Chris Wilson.
>

308. Re: [sdr-users] Re: Using VAC for IMD 2 tone testing. Does VAC degrade the audio signal?

Yahoo group: sdr-users
Date: 2013-06-21 12:59:25 UTC
From: Chris Wilson
Topic: 295 Message: 308

>
> Hi Chris,

> Have you tried VB-Audio? I just installed it this afternoon and
> have been using it to receive PSK31 using PowerSDR and Fldigi. The
> setup was very simple and it works well.

> I have tried VAC, but it was a pain to set up.

> 73 de ve7mdl, ...Erik.

21/06/2013 13:55

I downloaded it and installed the drivers the other day, but not tried it yet. I don't use VAC at all normally. My question was generic, I am testing my Softrock RXTX's for IMD at various drive levels before adding a small linear. I hope to get an Apache Labs Anan or Hermes soon, and want to be sure any tests for IMD are not flawed by using VAC for audio transmission. With the Softrocks I am inputting a quadrature audio file via the sound card directly, no VAC. Some rigs will need VAC though, if you see what I mean? Thanks.

Personally I find Windows Sound, VAC and all that stuff a total PITA and the sooner SDR moves away from subjecting the end user to all these kludges the better :)

--
Best Regards,
Chris Wilson.

309. Re: [sdr-users] Re: Using VAC for IMD 2 tone testing. Does VAC degrade the audio signal?

Yahoo group: sdr-users
Date: 2013-06-21 16:38:50 UTC
From: Paul
Topic: 295 Message: 309

Google finds many VB-Audio's.

Any chance of getting a url for VB-Audio that you use?

de Paul, W8AEF

-----Original Message-----
From: Erik
Sent: Thursday, June 20, 2013 9:59 PM
To: sdr-users@yahoogroups.com
Subject: [sdr-users] Re: Using VAC for IMD 2 tone testing. Does VAC degrade the audio signal?

Hi Chris,

Have you tried VB-Audio? I just installed it this afternoon and have been using it to receive PSK31 using PowerSDR and Fldigi. The setup was very simple and it works well.

I have tried VAC, but it was a pain to set up.

73 de ve7mdl, ...Erik.

310. Re: [sdr-users] Re: Using VAC for IMD 2 tone testing. Does VAC degrade the audio signal?

Yahoo group: sdr-users
Date: 2013-06-21 17:12:23 UTC
From: Chris Wilson
Topic: 295 Message: 310

>
> Google finds many VB-Audio's.

> Any chance of getting a url for VB-Audio that you use?

> de Paul, W8AEF

> -----Original Message-----
> From: Erik
> Sent: Thursday, June 20, 2013 9:59 PM
> To: sdr-users@yahoogroups.com
> Subject: [sdr-users] Re: Using VAC for IMD 2 tone testing. Does VAC degrade
> the audio signal?

> Hi Chris,

> Have you tried VB-Audio? I just installed it this afternoon and have been
> using it to receive PSK31 using PowerSDR and Fldigi. The setup was very
> simple and it works well.

> I have tried VAC, but it was a pain to set up.

> 73 de ve7mdl, ...Erik.

21/06/2013 18:12

I believe it is this one:

http://vb-audio.pagesperso-orange.fr/Cable/index.htm

--
Best Regards,
Chris Wilson.

311. Re: [sdr-users] Re: Using VAC for IMD 2 tone testing. Does VAC degrade the audio signal?

Yahoo group: sdr-users
Date: 2013-06-21 17:21:18 UTC
From: Ken N9VV
Topic: 295 Message: 311

Home webpage
http://vb-audio.pagesperso-orange.fr/

Virtual Audio Cable webpage
http://vb-audio.pagesperso-orange.fr/Cable/index.htm

GL de Ken N9VV

On 6/21/2013 11:38 AM, Paul wrote:
> Google finds many VB-Audio's.
>
> Any chance of getting a url for VB-Audio that you use?
>
> de Paul, W8AEF
>

312. Re: [sdr-users] Re: Using VAC for IMD 2 tone testing. Does VAC degrade the audio signal?

Yahoo group: sdr-users
Date: 2013-06-21 17:24:46 UTC
From: Paul
Topic: 295 Message: 312

Got it and thank you.

de Paul, W8AEF

----Original Message-----
From: Chris Wilson
Sent: Friday, June 21, 2013 10:12 AM
To: sdr-users@yahoogroups.com
Subject: Re: [sdr-users] Re: Using VAC for IMD 2 tone testing. Does VAC
degrade the audio signal?

>
> Google finds many VB-Audio's.

> Any chance of getting a url for VB-Audio that you use?

> de Paul, W8AEF

> -----Original Message-----
> From: Erik
> Sent: Thursday, June 20, 2013 9:59 PM
> To: sdr-users@yahoogroups.com
> Subject: [sdr-users] Re: Using VAC for IMD 2 tone testing. Does VAC
> degrade
> the audio signal?

> Hi Chris,

> Have you tried VB-Audio? I just installed it this afternoon and have been
> using it to receive PSK31 using PowerSDR and Fldigi. The setup was very
> simple and it works well.

> I have tried VAC, but it was a pain to set up.

> 73 de ve7mdl, ...Erik.

21/06/2013 18:12

I believe it is this one:

http://vb-audio.pagesperso-orange.fr/Cable/index.htm

--
Best Regards,
Chris Wilson.

Yahoo! Groups Links

313. Photo uploaded of cuSDR64 software showing five receivers w/waterfalls.

Yahoo group: sdr-users
Date: 2013-06-23 14:48:37 UTC
From: sdr.users
Topic: 313 Message: 313

Hi all!

We've uploaded a photo of the current version of the Open Source software cuSDR64 showing five receivers with waterfalls.

Enjoy.

73

Juan /K4LCD

314. Re: Using VAC for IMD 2 tone testing. Does VAC degrade the audio signal?

Yahoo group: sdr-users
Date: 2013-06-24 04:44:53 UTC
From: Erik
Topic: 295 Message: 314

Hi Paul,

I honestly can't remember the exact URL, but it ended in .fr.

BTW, I have been plying with jt65-hf all weekend using my Anan-10 and VB-Audio and it works great!

73 de ve7mdl, ...Erik.

--- In sdr-users@yahoogroups.com, "Paul" <w8aef@...> wrote:
>
> Google finds many VB-Audio's.
>
> Any chance of getting a url for VB-Audio that you use?
>
> de Paul, W8AEF
>
> -----Original Message-----
> From: Erik
> Sent: Thursday, June 20, 2013 9:59 PM
> To: sdr-users@yahoogroups.com
> Subject: [sdr-users] Re: Using VAC for IMD 2 tone testing. Does VAC degrade
> the audio signal?
>
> Hi Chris,
>
> Have you tried VB-Audio? I just installed it this afternoon and have been
> using it to receive PSK31 using PowerSDR and Fldigi. The setup was very
> simple and it works well.
>
> I have tried VAC, but it was a pain to set up.
>
> 73 de ve7mdl, ...Erik.
>

316. RE: [sdr-users] 5W SDR Transceiver from Italy

Yahoo group: sdr-users
Date: 2013-06-24 13:20:48 UTC
From: george_gloria99@...
Topic: 316 Message: 316

The specs and diagram of the Elad are intriguing. Being able to use it in a stand alone mode, along with a computer processing mode, is a big asset.

I wonder what it will cost and when it will be available.

George
K2CM

Sent from Yahoo! Mail for iPad

317. Re: [sdr-users] 5W SDR Transceiver from Italy

Yahoo group: sdr-users
Date: 2013-06-24 14:08:48 UTC
From: Giuseppe Campana
Topic: 316 Message: 317

Hi Greg,

we hope to have in the shelf for the end of the year, maybe earlier !

The cost is in "to be calculating" stage.....

73 Beppe
ik3vig

woodboxradio

Da: "george_gloria99@yahoo.com" <george_gloria99@...>
A: "simon@..." <simon@sdr-radio.com>; "sdr-users@yahoogroups.com" <sdr-users@yahoogroups.com>
Inviato: Lunedì 24 Giugno 2013 15:20
Oggetto: RE: [sdr-users] 5W SDR Transceiver from Italy

The specs and diagram of the Elad are intriguing. Being able to use it in a stand alone mode, along with a computer processing mode, is a big asset.

I wonder what it will cost and when it will be available.

George
K2CM

Sent from Yahoo! Mail for iPad

From: Simon GD4ELI/HB9DRV <simon@...>;
To: <sdr-users@yahoogroups.com>;
Subject: [sdr-users] 5W SDR Transceiver from Italy
Sent: Mon, Jun 24, 2013 9:20:30 AM

Hi All,

http://v2.sdr-radio.com/Radios/FDMDUOTransceiver.aspx

From ELAD, will be at the show on Friday in Friedrichshafen. 5W output in a nice small case, computer control as expected. Looks like it’s the SDR radio you didn’t know you needed. I have the ELAD FDM-S1 here and it’s a very nice receiver.

Simon GD4ELI/HB9DRV
http://v2.sdr-radio.com/

318. Re: [sdr-users] Re: Using VAC for IMD 2 tone testing. Does VAC degrade the audio signal?

Yahoo group: sdr-users
Date: 2013-06-24 15:19:59 UTC
From: Paul
Topic: 295 Message: 318

http://vb-audio.pagesperso-orange.fr/Cable/index.htm

May be the one?

de Paul, W8AEF

-----Original Message-----
From: Erik
Sent: Sunday, June 23, 2013 9:44 PM
To: sdr-users@yahoogroups.com
Subject: [sdr-users] Re: Using VAC for IMD 2 tone testing. Does VAC degrade the audio signal?

Hi Paul,

I honestly can't remember the exact URL, but it ended in .fr.

BTW, I have been plying with jt65-hf all weekend using my Anan-10 and VB-Audio and it works great!

73 de ve7mdl, ...Erik.

--- In sdr-users@yahoogroups.com, "Paul" <w8aef@...> wrote:
>
> Google finds many VB-Audio's.
>
> Any chance of getting a url for VB-Audio that you use?
>
> de Paul, W8AEF
>
> -----Original Message-----
> From: Erik
> Sent: Thursday, June 20, 2013 9:59 PM
> To: sdr-users@yahoogroups.com
> Subject: [sdr-users] Re: Using VAC for IMD 2 tone testing. Does VAC
> degrade
> the audio signal?
>
> Hi Chris,
>
> Have you tried VB-Audio? I just installed it this afternoon and have been
> using it to receive PSK31 using PowerSDR and Fldigi. The setup was very
> simple and it works well.
>
> I have tried VAC, but it was a pain to set up.

>
> 73 de ve7mdl, ...Erik.
>

Yahoo! Groups Links

319. Re: Using VAC for IMD 2 tone testing. Does VAC degrade the audio signal?

Yahoo group: sdr-users
Date: 2013-06-24 15:39:19 UTC
From: jabauzit
Topic: 295 Message: 319

--- In sdr-users@yahoogroups.com, "Erik" <ve7mdl@...> wrote:
>
>
> Hi Paul,
>
> I honestly can't remember the exact URL, but it ended in .fr.
>

http://vb-audio.pagesperso-orange.fr/Cable/index.htm

Jean-Claude PJ2BVU

320. Re: 5W SDR Transceiver from Italy

Yahoo group: sdr-users
Date: 2013-06-24 17:26:41 UTC
From: tony_g3ovh
Topic: 316 Message: 320

Apart from possible cost, the spec sheet Simon posted is rather disturbing - no description of the frequency covered, and a sample rate of up to 6144MHz - wow!! That's some oversampling!

Tony

--- In sdr-users@...m, Giuseppe Campana <highqcollector@...> wrote:
>
> Hi Greg,
>
> we hope to have in the shelf for the end of the year, maybe earlier !
>
> The cost is in "to be calculating" stage.....
>
> 73 Beppe
> ik3vig
>
> woodboxradio
>
>
>
>
> _____
> Da: "george_gloria99@..." <george_gloria99@...>
> A: "simon@..." <simon@...>; "sdr-users@yahoogroups.com" <sdr-users@yahoogroups.com>
> Inviato: LunedÃ¬ 24 Giugno 2013 15:20
> Oggetto: RE: [sdr-users] 5W SDR Transceiver from Italy
>
>
>
> Â
> The specs and diagram of the Elad are intriguing. Being able to use it in a stand alone mode, along with a computer processing mode, is a big asset.
>
> I wonder what it will cost and when it will be available.
>
> George
> K2CM
>
>
> Sent from Yahoo! Mail for iPad
>
>
>
> _____

> From: Simon GD4ELI/HB9DRV <simon@...>;
> To: <sdr-users@yahoogroups.com>;
> Subject: [sdr-users] 5W SDR Transceiver from Italy
> Sent: Mon, Jun 24, 2013 9:20:30 AM
>
>
> Â
> Hi All,
> Â
> http://v2.sdr-radio.com/Radios/FDMDUOTransceiver.aspx
> Â
> From ELAD, will be at the show on Friday in Friedrichshafen. 5W output in a nice small case, computer control as expected. Looks like itâ□□s the SDR radio you didnâ□□t know you needed. I have the ELAD FDM-S1 here and itâ□□s a very nice receiver.
> Â
> Simon GD4ELI/HB9DRV
> http://v2.sdr-radio.com/
> Â
>

321. RE: [sdr-users] Re: 5W SDR Transceiver from Italy

Yahoo group: sdr-users
Date: 2013-06-24 17:38:33 UTC
From: Simon GD4ELI/HB9DRV
Topic: 316 Message: 321

Hi,

I'll grab more info on Friday, it's 0 to 30MHz, maximum RX span is 6.144MHz (same as the FDM-S1).

5W output, so could drive a single value PA or a nicely linear 50 volt transistor PA.

In a nice box, Italian design, …

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

From: sdr-users@yahoogroups.com [mailto:sdr-users@...m] On Behalf Of tony_g3ovh
Sent: 24 June 2013 19:27
To: sdr-users@yahoogroups.com
Subject: [sdr-users] Re: 5W SDR Transceiver from Italy

Apart from possible cost, the spec sheet Simon posted is rather disturbing - no description of the frequency covered, and a sample rate of up to 6144MHz - wow!! That's some oversampling!

Tony

--- In sdr-users@yahoogroups.com <mailto:sdr-users%40yahoogroups.com> , Giuseppe Campana <highqcollector@...> wrote:
>
> Hi Greg,
>
> we hope to have in the shelf for the end of the year, maybe earlier !
>
> The cost is in "to be calculating" stage........
>
> 73 Beppe
> ik3vig
>
> woodboxradio
>
>
>
>
>
> _____
> Da: "george_gloria99@..." <george_gloria99@...>
> A: "simon@..." <simon@...>; "sdr-users@yahoogroups.com <mailto:sdr-users%40yahoogroups.com> " <sdr-users@yahoogroups.com <mailto:sdr-users%40yahoogroups.com> >
> Inviato: LunedÃ¬ 24 Giugno 2013 15:20

> Oggetto: RE: [sdr-users] 5W SDR Transceiver from Italy
>
>
>
> Â
> The specs and diagram of the Elad are intriguing. Being able to use it in a stand alone mode, along with a computer processing mode, is a big asset.
>
> I wonder what it will cost and when it will be available.
>
> George
> K2CM
>
>
> Sent from Yahoo! Mail for iPad
>
>
>
> _____
> From: Simon GD4ELI/HB9DRV <simon@...>;
> To: <sdr-users@yahoogroups.com <mailto:sdr-users%40yahoogroups.com> >;
> Subject: [sdr-users] 5W SDR Transceiver from Italy
> Sent: Mon, Jun 24, 2013 9:20:30 AM
>
>
> Â
> Hi All,
> Â
> http://v2.sdr-radio.com/Radios/FDMDUOTransceiver.aspx
> Â
> From ELAD, will be at the show on Friday in Friedrichshafen. 5W output in a nice small case, computer control as expected. Looks like itâ€™s the SDR radio you didnâ€™t know you needed. I have the ELAD FDM-S1 here and itâ€™s a very nice receiver.
> Â
> Simon GD4ELI/HB9DRV
> http://v2.sdr-radio.com/
> Â
>

322. AW: [sdr-users] Re: 5W SDR Transceiver from Italy

Yahoo group: sdr-users
Date: 2013-06-24 17:35:44 UTC
From: siegfried jackstien
Topic: 316 Message: 322

Sample rate up to 6144 megs?!? ... cant believe that

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] Im
> Auftrag von tony_g3ovh
> Gesendet: Montag, 24. Juni 2013 17:27
> An: sdr-users@yahoogroups.com
> Betreff: [sdr-users] Re: 5W SDR Transceiver from Italy
>
>
>
> Apart from possible cost, the spec sheet Simon posted is rather disturbing
> - no description of the frequency covered, and a sample rate of up to
> 6144MHz - wow!! That's some oversampling!
>
> Tony
>
> --- In sdr-users@yahoogroups.com <mailto:sdr-users%40yahoogroups.com> ,
> Giuseppe Campana <highqcollector@...> wrote:
> >
> > Hi Greg,
> >
> > we hope to have in the shelf for the end of the year, maybe earlier !
> >
> > The cost is in "to be calculating" stage........
> >
> > 73 Beppe
> > ik3vig
> >
> > woodboxradio
> >
> >
> >
> >
> > _____
> > Da: "george_gloria99@..." <george_gloria99@...>
> > A: "simon@..." <simon@...>; "sdr-users@yahoogroups.com <mailto:sdr-
> users%40yahoogroups.com> " <sdr-users@yahoogroups.com <mailto:sdr-
> users%40yahoogroups.com> >
> > Inviato: LunedÃ¬ 24 Giugno 2013 15:20
> > Oggetto: RE: [sdr-users] 5W SDR Transceiver from Italy
> >

> >
> >
> > Â
> > The specs and diagram of the Elad are intriguing. Being able to use it
> in a stand alone mode, along with a computer processing mode, is a big
> asset.
> >
> > I wonder what it will cost and when it will be available.
> >
> > George
> > K2CM
> >
> >
> > Sent from Yahoo! Mail for iPad
> >
> >
> >
> > _____
> > From: Simon GD4ELI/HB9DRV <simon@...>;
> > To: <sdr-users@yahoogroups.com <mailto:sdr-users%40yahoogroups.com> >;
> > Subject: [sdr-users] 5W SDR Transceiver from Italy
> > Sent: Mon, Jun 24, 2013 9:20:30 AM
> >
> >
> > Â
> > Hi All,
> > Â
> > http://v2.sdr-radio.com/Radios/FDMDUOTransceiver.aspx
> > Â
> > From ELAD, will be at the show on Friday in Friedrichshafen. 5W output
> in a nice small case, computer control as expected. Looks like itâ€™s the
> SDR radio you didnâ€™t know you needed. I have the ELAD FDM-S1 here and
> itâ€™s a very nice receiver.
> > Â
> > Simon GD4ELI/HB9DRV
> > http://v2.sdr-radio.com/
> > Â
> >
>
>
>
>

323. RE: [sdr-users] Re: 5W SDR Transceiver from Italy

Yahoo group: sdr-users
Date: 2013-06-24 17:42:01 UTC
From: Simon GD4ELI/HB9DRV
Topic: 316 Message: 323

The latest ADC chips are running at > 32 GHz (so I’m told).

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of siegfried jackstien

Sample rate up to 6144 megs?!? ... cant believe that

324. Re: 5W SDR Transceiver from Italy

Yahoo group: sdr-users
Date: 2013-06-24 17:42:14 UTC
From: Alberto I2PHD
Topic: 316 Message: 324

On 6/24/2013 7:35 PM, siegfried jackstien wrote:

> /Sample rate up to 6144 megs?!? ... cant believe that//
> / /
> //Dg9bfc//
> / /
> //Sigi//
> /

FDM-DUO can work both stand-alone and connected to a PC.
When working stand-alone it has a final sampling frequency (after the DDC) of 192 kHz.
When connected to a PC, you can have from 192 kHz to 6,144 kHz, selectable.

--
/*73 Alberto I2PHD*/

325. RE: [sdr-users] Re: 5W SDR Transceiver from Italy

Yahoo group: sdr-users
Date: 2013-06-24 17:42:59 UTC
From: Simon GD4ELI/HB9DRV
Topic: 316 Message: 325

DOH

That should be > 2 Ghz !!!

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

From: Simon GD4ELI/HB9DRV [mailto:simon@...]
Sent: 24 June 2013 19:42
To: 'sdr-users@yahoogroups.com'
Subject: RE: [sdr-users] Re: 5W SDR Transceiver from Italy

The latest ADC chips are running at > 32 GHz (so I'm told).

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of siegfried jackstien

Sample rate up to 6144 megs?!? ... cant believe that

326. Re: [sdr-users] Re: 5W SDR Transceiver from Italy

Yahoo group: sdr-users
Date: 2013-06-24 17:59:28 UTC
From: Shirley Márquez Dúlcey
Topic: 316 Message: 326

Hee! I'm guessing they really meant to say 6144 KHz rather than MHz. Even if the radio hardware could manage to operate at 6 GHz, what PC could keep up? Though I suppose they could be using an ultra-fast 1 bit ADC, kind of like the approach to audio used by SACD and its DSD encoding.

Aside from that, it looks like it could be an interesting competitor for the KX3, using an RF ADC rather than a QSD. The standalone UI will clearly be minimal, as the radio only has three knobs on the front panel. Not even a power switch, though that could be combined into one of the knobs or be in the back.

The spec sheet claims wideband FM reception including RDS when it's connected to a computer. The only frequencies I know of where those features are useful are the FM broadcast band, so perhaps it can receive up to at least 108 MHz; that would imply the use of a rather fast ADC.

On Mon, Jun 24, 2013 at 1:26 PM, tony_g3ovh <tabbey01@...> wrote:

> **
>
>
> Apart from possible cost, the spec sheet Simon posted is rather disturbing
> - no description of the frequency covered, and a sample rate of up to
> 6144MHz - wow!! That's some oversampling!
>
> Tony
>
>
> --- In sdr-users@...m, Giuseppe Campana <highqcollector@...>
> wrote:
> >
> > Hi Greg,
> >
> > we hope to have in the shelf for the end of the year, maybe earlier !
> >
> > The cost is in "to be calculating" stage........
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> > 73 Beppe
> > ik3vig
> >
> > woodboxradio
> >
> >
> >
> >
> > _____

> > Da: "george_gloria99@..." <george_gloria99@...>
> > A: "simon@..." <simon@...>; "sdr-users@yahoogroups.com" <
> sdr-users@yahoogroups.com>
> > Inviato: LunedÃ¬ 24 Giugno 2013 15:20
>
> > Oggetto: RE: [sdr-users] 5W SDR Transceiver from Italy
> >
> >
> >
> > Â
> > The specs and diagram of the Elad are intriguing. Being able to use it
> in a stand alone mode, along with a computer processing mode, is a big
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> > I wonder what it will cost and when it will be available.
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> > George
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> > From: Simon GD4ELI/HB9DRV <simon@...>;
> > To: <sdr-users@yahoogroups.com>;
> > Subject: [sdr-users] 5W SDR Transceiver from Italy
> > Sent: Mon, Jun 24, 2013 9:20:30 AM
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> > Â
> > Hi All,
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> > http://v2.sdr-radio.com/Radios/FDMDUOTransceiver.aspx
> > Â
> > From ELAD, will be at the show on Friday in Friedrichshafen. 5W output
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> SDR radio you didnâ€™t know you needed. I have the ELAD FDM-S1 here and
> itâ€™s a very nice receiver.
> > Â
> > Simon GD4ELI/HB9DRV
> > http://v2.sdr-radio.com/
> > Â
> >
>
>
>

327. Re: 5W SDR Transceiver from Italy

Yahoo group: sdr-users
Date: 2013-06-24 18:34:37 UTC
From: Sandro
Topic: 316 Message: 327

Off course it is 6.144 MHz or 6144 KHz or 6144000 Hz.

73 Sandro

--- In sdr-users@yahoogroups.com, Shirley Márquez Dúlcey <mark@...> wrote:
>
> Hee! I'm guessing they really meant to say 6144 KHz rather than MHz. Even
> if the radio hardware could manage to operate at 6 GHz, what PC could keep
> up? Though I suppose they could be using an ultra-fast 1 bit ADC, kind of
> like the approach to audio used by SACD and its DSD encoding.
>
> Aside from that, it looks like it could be an interesting competitor for
> the KX3, using an RF ADC rather than a QSD. The standalone UI will clearly
> be minimal, as the radio only has three knobs on the front panel. Not even
> a power switch, though that could be combined into one of the knobs or be
> in the back.
>
> The spec sheet claims wideband FM reception including RDS when it's
> connected to a computer. The only frequencies I know of where those
> features are useful are the FM broadcast band, so perhaps it can receive up
> to at least 108 MHz; that would imply the use of a rather fast ADC.
>
>
> On Mon, Jun 24, 2013 at 1:26 PM, tony_g3ovh <tabbey01@...> wrote:
>
> > **
> >
> >
> > Apart from possible cost, the spec sheet Simon posted is rather disturbing
> > - no description of the frequency covered, and a sample rate of up to
> > 6144MHz - wow!! That's some oversampling!
> >
> > Tony
> >
> >
> > --- In sdr-users@yahoogroups.com, Giuseppe Campana <highqcollector@>
> > wrote:
> > >
> > > Hi Greg,
> > >
> > > we hope to have in the shelf for the end of the year, maybe earlier !
> > >
> > > The cost is in "to be calculating" stage.....
> > >

> > > 73 Beppe
> > > ik3vig
> > >
> > > woodboxradio
> > >
> > >
> > >
> > >
> > > _____
> > > Da: "george_gloria99@" <george_gloria99@>
> > > A: "simon@" <simon@>; "sdr-users@yahoogroups.com" <
> > sdr-users@yahoogroups.com>
> > > Inviato: LunedÃ¬ 24 Giugno 2013 15:20
> > >
> > > Oggetto: RE: [sdr-users] 5W SDR Transceiver from Italy
> > >
> > >
> > >
> > > Â
> > > The specs and diagram of the Elad are intriguing. Being able to use it
> > in a stand alone mode, along with a computer processing mode, is a big
> > asset.
> > >
> > > I wonder what it will cost and when it will be available.
> > >
> > > George
> > > K2CM
> > >
> > >
> > > Sent from Yahoo! Mail for iPad
> > >
> > >
> > >
> > > _____
> > > From: Simon GD4ELI/HB9DRV <simon@>;
> > > To: <sdr-users@yahoogroups.com>;
> > > Subject: [sdr-users] 5W SDR Transceiver from Italy
> > > Sent: Mon, Jun 24, 2013 9:20:30 AM
> > >
> > >
> > > Â
> > > Hi All,
> > > Â
> > > http://v2.sdr-radio.com/Radios/FDMDUOTransceiver.aspx
> > > Â
> > > From ELAD, will be at the show on Friday in Friedrichshafen. 5W output
> > in a nice small case, computer control as expected. Looks like itâ□□s the
> > SDR radio you didnâ□□t know you needed. I have the ELAD FDM-S1 here and
> > itâ□□s a very nice receiver.

> > > Â
> > > Simon GD4ELI/HB9DRV
> > > http://v2.sdr-radio.com/
> > > Â
> > >
> >
> >
> >
>

328. RE: [sdr-users] Re: 5W SDR Transceiver from Italy

Yahoo group: sdr-users
Date: 2013-06-24 19:19:23 UTC
From: Jeff Cook
Topic: 316 Message: 328

Well, I'm glad that's been cleared up; now back to my HPSDR set up.

Jeff Cook, G0AFQ.

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of Sandro
Sent: 24 June 2013 19:35
To: sdr-users@yahoogroups.com
Subject: [sdr-users] Re: 5W SDR Transceiver from Italy

Off course it is 6.144 MHz or 6144 KHz or 6144000 Hz.

73 Sandro

--- In sdr-users@yahoogroups.com <mailto:sdr-users%40yahoogroups.com> , Shirley Márquez Dúlcey <mark@...> wrote:
>
> Hee! I'm guessing they really meant to say 6144 KHz rather than MHz. Even
> if the radio hardware could manage to operate at 6 GHz, what PC could keep
> up? Though I suppose they could be using an ultra-fast 1 bit ADC, kind of
> like the approach to audio used by SACD and its DSD encoding.
>
> Aside from that, it looks like it could be an interesting competitor for
> the KX3, using an RF ADC rather than a QSD. The standalone UI will clearly
> be minimal, as the radio only has three knobs on the front panel. Not even
> a power switch, though that could be combined into one of the knobs or be
> in the back.
>
> The spec sheet claims wideband FM reception including RDS when it's
> connected to a computer. The only frequencies I know of where those
> features are useful are the FM broadcast band, so perhaps it can receive up
> to at least 108 MHz; that would imply the use of a rather fast ADC.
>
>
> On Mon, Jun 24, 2013 at 1:26 PM, tony_g3ovh <tabbey01@...> wrote:
>
> > **
> > >
> > >
> > > Apart from possible cost, the spec sheet Simon posted is rather disturbing
> > > - no description of the frequency covered, and a sample rate of up to
> > > 6144MHz - wow!! That's some oversampling!
> > >
> > > Tony
> > >
> > >
> > > --- In sdr-users@yahoogroups.com <mailto:sdr-users%40yahoogroups.com> , Giuseppe

Campana <highqcollector@>
> > wrote:
> > >
> > > Hi Greg,
> > >
> > > we hope to have in the shelf for the end of the year, maybe earlier !
> > >
> > > The cost is in "to be calculating" stage........
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> > > 73 Beppe
> > > ik3vig
> > >
> > > woodboxradio
> > >
> > >
> > >
> > >
> > > _____
> > > Da: "george_gloria99@" <george_gloria99@>
> > > A: "simon@" <simon@>; "sdr-users@yahoogroups.com
<mailto:sdr-users%40yahoogroups.com> " <
> > sdr-users@yahoogroups.com <mailto:sdr-users%40yahoogroups.com> >
> > > Inviato: LunedÃ¬ 24 Giugno 2013 15:20
> > >
> > > Oggetto: RE: [sdr-users] 5W SDR Transceiver from Italy
> > >
> > >
> > >
> > > Â
> > > The specs and diagram of the Elad are intriguing. Being able to use it
> > in a stand alone mode, along with a computer processing mode, is a big
> > asset.
> > >
> > > I wonder what it will cost and when it will be available.
> > >
> > > George
> > > K2CM
> > >
> > >
> > > Sent from Yahoo! Mail for iPad
> > >
> > >
> > >
> > > _____
> > > From: Simon GD4ELI/HB9DRV <simon@>;
> > > To: <sdr-users@yahoogroups.com <mailto:sdr-users%40yahoogroups.com> >;
> > > Subject: [sdr-users] 5W SDR Transceiver from Italy
> > > Sent: Mon, Jun 24, 2013 9:20:30 AM
> > >
> > >
> > > Â

> > > Hi All,
> > > Â
> > > http://v2.sdr-radio.com/Radios/FDMDUOTransceiver.aspx
> > > Â
> > > From ELAD, will be at the show on Friday in Friedrichshafen. 5W output
> > in a nice small case, computer control as expected. Looks like itâ€™s the
> > SDR radio you didnâ€™t know you needed. I have the ELAD FDM-S1 here and
> > itâ€™s a very nice receiver.
> > > Â
> > > Simon GD4ELI/HB9DRV
> > > http://v2.sdr-radio.com/
> > > Â
> > >
> >
> >
> >
>

329. Re: [sdr-users] Re: 5W SDR Transceiver from Italy

Yahoo group: sdr-users
Date: 2013-06-24 19:21:47 UTC
From: David Turnbull
Topic: 316 Message: 329

On Mon, Jun 24, 2013 at 10:59 AM, Shirley Márquez Dúlcey
<mark@buttery.org>wrote:

> **
> Hee! I'm guessing they really meant to say 6144 KHz rather than MHz.
> Even if the radio hardware could manage to operate at 6 GHz, what PC could
> keep up? Though I suppose they could be using an ultra-fast 1 bit ADC, kind
> of like the approach to audio used by SACD and its DSD encoding.
>

Indeed, a 6GHz ADC and supporting hardware would make this a very expensive rig requiring PC hardware beyond standard USB3.0 or Ethernet. 6.144MHz is common with audio frequency delta-sigma modulation. For example, the TI PCM3060 chip I use in my radios has a sampling rate of 6.144MHz which is decimated by 64 before delivery to the PC as PCM.

Sample rate is meaningless on its own. If I told you my radio has a sample rate of 6.144MHz that would sound impressive and be true. What if I then said the dynamic range at that rate was <6dB? Maybe you're the exception that's interested in the raw PDM stream for writing your own decimators, but the rest of us want to know the bandwidth where the dynamic range is >70dB.

73 David http://AE9RB.com/

330. Re: 5W SDR Transceiver from Italy

Yahoo group: sdr-users
Date: 2013-06-24 19:44:54 UTC
From: jabauzit
Topic: 316 Message: 330

--- In sdr-users@yahoogroups.com, "Simon GD4ELI/HB9DRV" <simon@...> wrote:
>
> DOH
>
>
>
> That should be > 2 Ghz !!!
>
>
Much cheaper than the 32 GHz one :) but I doubt we will see one in a ham SDR anytime soon.
It would be interesting to know how many bits.

Jean-Claude PJ2BVU

331. RE: [sdr-users] Re: 5W SDR Transceiver from Italy

Yahoo group: sdr-users
Date: 2013-06-24 19:54:33 UTC
From: Simon GD4ELI/HB9DRV
Topic: 316 Message: 331

Maybe at the end of this year, if not then next year.

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of jabauzit

Much cheaper than the 32 GHz one :) but I doubt we will see one in a ham SDR anytime soon.

332. Re: [sdr-users] Re: Using VAC for IMD 2 tone testing. Does VAC degrade the audio signal?

Yahoo group: sdr-users
Date: 2013-06-24 20:49:58 UTC
From: Paul
Topic: 295 Message: 332

Got it and thank you.

de Paul. W8AEF

-----Original Message-----
From: jabauzit
Sent: Monday, June 24, 2013 8:39 AM
To: sdr-users@yahoogroups.com
Subject: [sdr-users] Re: Using VAC for IMD 2 tone testing. Does VAC degrade the audio signal?

--- In sdr-users@yahoogroups.com, "Erik" <ve7mdl@...> wrote:
>
>
> Hi Paul,
>
> I honestly can't remember the exact URL, but it ended in .fr.
>

http://vb-audio.pagesperso-orange.fr/Cable/index.htm

Jean-Claude PJ2BVU

Yahoo! Groups Links

333. RE: [sdr-users] 5W SDR Transceiver from Italy

Yahoo group: sdr-users
Date: 2013-06-24 21:31:04 UTC
From: Dave Hartman
Topic: 316 Message: 333

What frequency ranges does it cover? I didn't find that in the brochure.
Dave

334. Re: 5W SDR Transceiver from Italy

Yahoo group: sdr-users
Date: 2013-06-24 21:31:47 UTC
From: Ben
Topic: 316 Message: 334

--- In sdr-users@yahoogroups.com, "Simon GD4ELI/HB9DRV" <simon@...> wrote:

> Maybe at the end of this year, if not then next year.

...and perhaps they'll get it right and use an Ethernet interface. This one is another USB design. One thing hardware designers don't seem to be wrapping their heads around is just how problematic USB interfacing is, with conflicting drivers, installs coming from the OS that over-write the drivers you actually need, remote limitations, highly dissimilar implementations on various platforms, and various insults to computer efficiency.

I mean, sure, you can code for USB, both you and I do it, but that doesn't stop the end users from running head on into a world of hurt.

If I had $ for every time someone has come to me with a USB problem... :)

Ethernet -- it's the BETTER way.

--Ben
AA7AS

335. RE: [sdr-users] Re: 5W SDR Transceiver from Italy

Yahoo group: sdr-users
Date: 2013-06-24 21:37:21 UTC
From: Simon GD4ELI/HB9DRV
Topic: 316 Message: 335

Agreed, but the ELAD DUO transceiver has Ethernet as far as I can tell from a rather small picture of the rear.

I must say I haven't had problems with USB other than the FTDI USB drivers. Perseus, Afedri, FDM-S1 and possibly others work just dandy.

http://ecom.eladit.com/epages/990298944.sf/it_IT/?ObjectPath=/Shops/990298944/Categories/FDM-DUO

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of Ben
Sent: 24 June 2013 23:32
To: sdr-users@yahoogroups.com
Subject: [sdr-users] Re: 5W SDR Transceiver from Italy

--- In sdr-users@yahoogroups.com <mailto:sdr-users%40yahoogroups.com> , "Simon GD4ELI/HB9DRV" <simon@...> wrote:

> Maybe at the end of this year, if not then next year.

...and perhaps they'll get it right and use an Ethernet interface. This one is another USB design. One thing hardware designers don't seem to be wrapping their heads around is just how problematic USB interfacing is, with conflicting drivers, installs coming from the OS that over-write the drivers you actually need, remote limitations, highly dissimilar implementations on various platforms, and various insults to computer efficiency.

I mean, sure, you can code for USB, both you and I do it, but that doesn't stop the end users from running head on into a world of hurt.

If I had $ for every time someone has come to me with a USB problem... :)

Ethernet -- it's the BETTER way.

--Ben
AA7AS

336. RE: [sdr-users] Re: 5W SDR Transceiver from Italy

Yahoo group: sdr-users
Date: 2013-06-24 21:39:22 UTC
From: Simon GD4ELI/HB9DRV
Topic: 316 Message: 336

.and come blaming the poor fool who wrote the software L

Maybe we should charge for support J

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of Ben

I mean, sure, you can code for USB, both you and I do it, but that doesn't stop the end users from running head on into a world of hurt.

337. Re: [sdr-users] Re: 5W SDR Transceiver from Italy

Yahoo group: sdr-users
Date: 2013-06-24 22:34:30 UTC
From: Chris Wilson
Topic: 316 Message: 337

>

> --- In sdr-users@yahoogroups.com, "Simon GD4ELI/HB9DRV" <simon@...> wrote:

>> Maybe at the end of this year, if not then next year.

> ...and perhaps they'll get it right and use an Ethernet interface.
> This one is another USB design. One thing hardware designers don't
> seem to be wrapping their heads around is just how problematic USB
> interfacing is, with conflicting drivers, installs coming from the
> OS that over-write the drivers you actually need, remote
> limitations, highly dissimilar implementations on various platforms,
> and various insults to computer efficiency.

> I mean, sure, you can code for USB, both you and I do it, but that
> doesn't stop the end users from running head on into a world of hurt.

> If I had $ for every time someone has come to me with a USB problem...

> Ethernet -- it's the BETTER way.

> --Ben
> AA7AS

24/06/2013 23:33

From an end user ben, Amen to that, for sure. I HATE USB!!!

--
Best Regards,
Chris Wilson.

338. Re: 5W SDR Transceiver from Italy

Yahoo group: sdr-users
Date: 2013-06-24 22:44:59 UTC
From: Alberto I2PHD
Topic: 316 Message: 338

On 6/24/2013 11:37 PM, Simon GD4ELI/HB9DRV wrote:

> /Agreed, but the ELAD DUO transceiver has Ethernet as far as I can tell from a rather small picture of the rear./

No, sorry. FDM-DUO has one USB port that allows the receiver to be connected to the PC when the user prefers
to not use it stand-alone (which is its native mode...), and another USB port for the TX, which does not requires
any Windows driver, as it presents itself as an external USB audio card. This can be use if you want to send TX
audio from the PC, e.g. when you want to use some digital modes (Olivia, PSK31, etc.). The TX is self-sufficient
for CW and SSB, taking the audio from the mic connector. The modulator is completely digital (of course).

The rear connector that resembles an Ethernet connector is the microphone connector.

--
/*73 Alberto I2PHD*/

339. Re: [sdr-users] Re: 5W SDR Transceiver from Italy

Yahoo group: sdr-users
Date: 2013-06-24 22:51:08 UTC
From: Alex Netherton
Topic: 316 Message: 339

Oh please, please PLEASE make it affordable!!!
Alex
KC4BO

On Mon, Jun 24, 2013 at 6:44 PM, Alberto I2PHD <i2phd@...>wrote:

> **
>
>
> On 6/24/2013 11:37 PM, Simon GD4ELI/HB9DRV wrote:
>
> *Agreed, but the ELAD DUO transceiver has Ethernet as far as I can tell
> from a rather small picture of the rear.*
>
>
> No, sorry. FDM-DUO has one USB port that allows the receiver to be
> connected to the PC when the user prefers
> to not use it stand-alone (which is its native mode...), and another USB
> port for the TX, which does not requires
> any Windows driver, as it presents itself as an external USB audio card.
> This can be use if you want to send TX
> audio from the PC, e.g. when you want to use some digital modes (Olivia,
> PSK31, etc.). The TX is self-sufficient
> for CW and SSB, taking the audio from the mic connector. The modulator is
> completely digital (of course).
>
> The rear connector that resembles an Ethernet connector is the microphone
> connector.
>
> --
> *73 Alberto I2PHD*
>
>
>

--
Alex Netherton
http://blueridgediscovery.com

340. Re: 5W SDR Transceiver from Italy

Yahoo group: sdr-users
Date: 2013-06-25 02:01:30 UTC
From: mule_ears
Topic: 316 Message: 340

--- In sdr-users@yahoogroups.com, Alex Netherton <anetherton@...> wrote:
>
> Oh please, please PLEASE make it affordable!!!
> Alex
> KC4BO
>
>
> On Mon, Jun 24, 2013 at 6:44 PM, Alberto I2PHD <i2phd@...>wrote:
>
> > **
> > >
> > >
> > > On 6/24/2013 11:37 PM, Simon GD4ELI/HB9DRV wrote:
> > >
> > > *Agreed, but the ELAD DUO transceiver has Ethernet as far as I can tell
> > > from a rather small picture of the rear.*
> > >
> > >
> > > No, sorry. FDM-DUO has one USB port that allows the receiver to be
> > > connected to the PC when the user prefers
> > > to not use it stand-alone (which is its native mode...), and another USB
> > > port for the TX, which does not requires
> > > any Windows driver, as it presents itself as an external USB audio card.
> > > This can be use if you want to send TX
> > > audio from the PC, e.g. when you want to use some digital modes (Olivia,
> > > PSK31, etc.). The TX is self-sufficient
> > > for CW and SSB, taking the audio from the mic connector. The modulator is
> > > completely digital (of course).
> > >
> > > The rear connector that resembles an Ethernet connector is the microphone
> > > connector.
> > >
> > > --
> > > *73 Alberto I2PHD*
> > >
> > >
> > >
> >
> >
> >
> > --
> > Alex Netherton
> > http://blueridgediscovery.com
> >

Jackie Kennedy was asked by a reporter about the cost of her personal yacht. Her reply was: ' If you have to ask the price, you can not afford it'. end quote..

bob johnson
kd4lv

343. Re: [sdr-users] HackRF Jawbreaker

Yahoo group: sdr-users
Date: 2013-06-25 02:47:20 UTC
From: David Turnbull
Topic: 342 Message: 343

On Mon, Jun 24, 2013 at 7:24 PM, The Silver Fox <alan.r.hill@...>wrote:

> **
> Anyone out there gotten one of these boards working as an SDR?
>

I know Jared from the design team. I've seen various iterations of the
device working with GNU Radio. He said this was a device intended for
security research and will not comply with FCC rules for spurious
emissions. Specifically, the transmit image rejection is not sufficient.

73 David http://AE9RB.com/

344. Re: Using VAC for IMD 2 tone testing. Does VAC degrade the audio signal?

Yahoo group: sdr-users
Date: 2013-06-25 04:40:27 UTC
From: Erik
Topic: 295 Message: 344

Hi Paul,

Yup, that's the one. Have run VB-Audio all weekend and today without any stability problems.

BTW, it worked best for me at a sample rate of 48k.

73 de ve7mdl, ...Erik.

--- In sdr-users@yahoogroups.com, "Paul" <w8aef@...> wrote:
>
> http://vb-audio.pagesperso-orange.fr/Cable/index.htm
>
> May be the one?
>
> de Paul, W8AEF
>
> -----Original Message-----
> From: Erik
> Sent: Sunday, June 23, 2013 9:44 PM
> To: sdr-users@yahoogroups.com
> Subject: [sdr-users] Re: Using VAC for IMD 2 tone testing. Does VAC degrade
> the audio signal?
>
>
> Hi Paul,
>
> I honestly can't remember the exact URL, but it ended in .fr.
>
> BTW, I have been plying with jt65-hf all weekend using my Anan-10 and
> VB-Audio and it works great!
>
> 73 de ve7mdl, ...Erik.
>
> --- In sdr-users@yahoogroups.com, "Paul" <w8aef@> wrote:
> >
> > Google finds many VB-Audio's.
> >
> > Any chance of getting a url for VB-Audio that you use?
> >
> > de Paul, W8AEF
> >
> > -----Original Message-----
> > From: Erik
> > Sent: Thursday, June 20, 2013 9:59 PM
> > To: sdr-users@yahoogroups.com

> > Subject: [sdr-users] Re: Using VAC for IMD 2 tone testing. Does VAC
> > degrade
> > the audio signal?
> >
> > Hi Chris,
> >
> > Have you tried VB-Audio? I just installed it this afternoon and have been
> > using it to receive PSK31 using PowerSDR and Fldigi. The setup was very
> > simple and it works well.
> >
> > I have tried VAC, but it was a pain to set up.
> >
> > 73 de ve7mdl, ...Erik.
> >
>
>
>
>
> ------------------------------------
>
> Yahoo! Groups Links
>

345. RE: [sdr-users] Re: 5W SDR Transceiver from Italy

Yahoo group: sdr-users
Date: 2013-06-25 08:49:14 UTC
From: Simon GD4ELI/HB9DRV
Topic: 316 Message: 345

Alberto,

Thanks. I must say I've not had any USB issues with my FDM-S1, getting the full 6MHz span with ease.

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of Alberto I2PHD
Sent: 25 June 2013 00:45
To: sdr-users@yahoogroups.com
Subject: [sdr-users] Re: 5W SDR Transceiver from Italy

On 6/24/2013 11:37 PM, Simon GD4ELI/HB9DRV wrote:

Agreed, but the ELAD DUO transceiver has Ethernet as far as I can tell from a rather small picture of the rear.

No, sorry. FDM-DUO has one USB port that allows the receiver to be connected to the PC when the user prefers
to not use it stand-alone (which is its native mode...), and another USB port for the TX, which does not requires
any Windows driver, as it presents itself as an external USB audio card. This can be use if you want to send TX
audio from the PC, e.g. when you want to use some digital modes (Olivia, PSK31, etc.). The TX is self-sufficient
for CW and SSB, taking the audio from the mic connector. The modulator is completely digital (of course).

The rear connector that resembles an Ethernet connector is the microphone connector.

--
73 Alberto I2PHD

346. Re: 5W SDR Transceiver from Italy

Yahoo group: sdr-users
Date: 2013-06-25 08:58:13 UTC
From: Sandro
Topic: 316 Message: 346

Alan - I would know how you can tell this without knowing the Elad technical specs in detail.

Further more, could you provide a link to the "BeRadio" RTX you mentioned?

I did a quick search and only found some RX boards.

73 Sandro

--- In sdr-users@yahoogroups.com, "The Silver Fox" <alan.r.hill@...> wrote:
>
> The BeRadio system appears to be comparable and it is about $450 without a
> case.
>
> 73,
>
> Alan - W6ARH
>
>
>
>
>
> From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf
> Of mule_ears
> Sent: Monday, June 24, 2013 7:02 PM
> To: sdr-users@yahoogroups.com
> Subject: [sdr-users] Re: 5W SDR Transceiver from Italy
>
>
>
>
>
>
>
> --- In sdr-users@yahoogroups.com <mailto:sdr-users%40yahoogroups.com> , Alex
> Netherton <anetherton@> wrote:
> >
> > Oh please, please PLEASE make it affordable!!!
> > Alex
> > KC4BO
> >
> >
> > On Mon, Jun 24, 2013 at 6:44 PM, Alberto I2PHD <i2phd@>wrote:
> >
> > > **
> > >

> > >
> > > On 6/24/2013 11:37 PM, Simon GD4ELI/HB9DRV wrote:
> > >
> > > *Agreed, but the ELAD DUO transceiver has Ethernet as far as I can tell
> > > from a rather small picture of the rear.*
> > >
> > >
> > > No, sorry. FDM-DUO has one USB port that allows the receiver to be
> > > connected to the PC when the user prefers
> > > to not use it stand-alone (which is its native mode...), and another USB
> > > port for the TX, which does not requires
> > > any Windows driver, as it presents itself as an external USB audio card.
> > > This can be use if you want to send TX
> > > audio from the PC, e.g. when you want to use some digital modes (Olivia,
> > > PSK31, etc.). The TX is self-sufficient
> > > for CW and SSB, taking the audio from the mic connector. The modulator
> is
> > > completely digital (of course).
> > >
> > > The rear connector that resembles an Ethernet connector is the
> microphone
> > > connector.
> > >
> > > --
> > > *73 Alberto I2PHD*
> > >
> > >
> > >
> >
> >
> >
> > --
> > Alex Netherton
> > http://blueridgediscovery.com
> >
>
> Jackie Kennedy was asked by a reporter about the cost of her personal yacht.
> Her reply was: ' If you have to ask the price, you can not afford it'. end
> quote..
>
> bob johnson
> kd4lv
>

347. Re: [sdr-users] Re: 5W SDR Transceiver from Italy

Yahoo group: sdr-users
Date: 2013-06-25 08:16:23 UTC
From: Giuseppe Campana
Topic: 316 Message: 347

Hi all,

there is a third USB port, it is a serial COM port for CAT control in stand alone mode. This port is very useful for digital QSO/DX using usual applications (Logger, DM780, N1MM, ecc)

An auxiliary I&Q output at 192KHz is available on the front panel near the earphone jack, it is
useful for spectrum visualization using classic SDR software, (as Winrad) and PC audio card, or
using CWskimmer which has OMNIRIG for full CAT control.

73 Beppe
ik3vig

woodboxradio.com

Da: Alberto I2PHD <i2phd@...>
A: sdr-users@yahoogroups.com
Inviato: Martedì 25 Giugno 2013 0:44
Oggetto: [sdr-users] Re: 5W SDR Transceiver from Italy

On 6/24/2013 11:37 PM, Simon GD4ELI/HB9DRV wrote:

Agreed, but the ELAD DUO transceiver has Ethernet as far as I can tell from a rather small picture of the rear.
No, sorry. FDM-DUO has one USB port that allows the receiver to be
connected to the PC when the user prefers
to not use it stand-alone (which is its native mode...), and another
USB port for the TX, which does not requires
any Windows driver, as it presents itself as an external USB audio
card. This can be use if you want to send TX
audio from the PC, e.g. when you want to use some digital modes
(Olivia, PSK31, etc.). The TX is self-sufficient
for CW and SSB, taking the audio from the mic connector. The
modulator is completely digital (of course).

The rear connector that resembles an Ethernet connector is the
microphone connector.

--
73 Alberto I2PHD

348. AW: [sdr-users] Re: 5W SDR Transceiver from Italy

Yahoo group: sdr-users
Date: 2013-06-25 09:13:15 UTC
From: siegfried jackstien
Topic: 316 Message: 348

Would be nice if there would be a usb host connection to add a wlan stick to that radio

Fire it up (with the wlan dongle plugged in) ... and it connects to your existing wlan netork ... gets it own ip address (like it would with Ethernet) ...

Dg9bfc

sigi

> -----Ursprüngliche Nachricht-----
> Von: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] Im
> Auftrag von Simon GD4ELI/HB9DRV
> Gesendet: Montag, 24. Juni 2013 21:37
> An: sdr-users@yahoogroups.com
> Betreff: RE: [sdr-users] Re: 5W SDR Transceiver from Italy
>
>
>
> Agreed, but the ELAD DUO transceiver has Ethernet as far as I can tell
> from a rather small picture of the rear.
>
>
>
> I must say I haven□t had problems with USB other than the FTDI USB
> drivers. Perseus, Afedri, FDM-S1 and possibly others work just dandy
>
>
>
> http://ecom.eladit.com/epages/990298944.sf/it_IT/?ObjectPath=/Shops/990298
> 944/Categories/FDM-DUO
>
>
>
> Simon GD4ELI/HB9DRV
>
> http://v2.sdr-radio.com/
>
>
>
> From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On
> Behalf Of Ben
> Sent: 24 June 2013 23:32
> To: sdr-users@yahoogroups.com

> Subject: [sdr-users] Re: 5W SDR Transceiver from Italy
>
>
>
>
>
>
>
> --- In sdr-users@yahoogroups.com <mailto:sdr-users%40yahoogroups.com> ,
> "Simon GD4ELI/HB9DRV" <simon@...> wrote:
>
> > Maybe at the end of this year, if not then next year.
>
> ...and perhaps they'll get it right and use an Ethernet interface. This
> one is another USB design. One thing hardware designers don't seem to be
> wrapping their heads around is just how problematic USB interfacing is,
> with conflicting drivers, installs coming from the OS that over-write the
> drivers you actually need, remote limitations, highly dissimilar
> implementations on various platforms, and various insults to computer
> efficiency.
>
> I mean, sure, you can code for USB, both you and I do it, but that doesn't
> stop the end users from running head on into a world of hurt.
>
> If I had $ for every time someone has come to me with a USB problem... :)
>
> Ethernet -- it's the BETTER way.
>
> --Ben
> AA7AS
>
>

349. Re: 5W SDR Transceiver from Italy

Yahoo group: sdr-users
Date: 2013-06-25 10:09:22 UTC
From: Alberto I2PHD
Topic: 316 Message: 349

On 6/25/2013 10:49 AM, Simon GD4ELI/HB9DRV wrote:

> /Thanks. I must say I?ve not had any USB issues with my FDM-S1,
> getting the full 6MHz span with ease./

Simon,

yes. The majority of problems with USB are cockpit errors... experience tells this...

--
/*73 Alberto I2PHD*/

350. Re: 5W SDR Transceiver from Italy

Yahoo group: sdr-users
Date: 2013-06-25 10:44:39 UTC
From: Alberto I2PHD
Topic: 316 Message: 350

--- In sdr-users@yahoogroups.com <mailto:sdr-users%40yahoogroups.com>, "The Silver Fox" <alan.r.hill@...> wrote:
>
>
> /The BeRadio system appears to be comparable and it is about $450 without a//
> //case.//
> ////
> //73,//
> ////
> //Alan - W6ARH//
> /
>

Comparable ? Really ? The following was copied from the site
http://www.altera.com/b/BeRadio.html
where BeRadio is described :

/
> The BeRadio uses a 12 bit 10 Msps ADC from Linear Technology for the analog front end,//
//> and a Cyclone IV FPGA from Altera as the digital processing engine to convert the data stream.//
/

A 12-bit 10 Msps ADC ? And you would call this an SDR capable of covering all of the HF bands ? Come on...
/
/The BeRadio is a nice toy for all those who want to wet their feet with the SDR water, before jumping into it.
But please don't call it a full fledged SDR...

--
/*73 Alberto I2PHD*/

351. Re: [sdr-users] Re: 5W SDR Transceiver from Italy

Yahoo group: sdr-users
Date: 2013-06-25 11:14:45 UTC
From: Shirley Márquez Dúlcey
Topic: 316 Message: 351

The BeRadio is indeed a toy for playing around with SDR. If you get one for free at one of the Altera/Arrow seminars it's an appealing toy to get. I have one, and it's well worth every cent I paid for it :)

Zephyr Engineering plans some more capable SDR receivers, the UDPSDR-HF1 and UDPSDR-HF2. Neither appears to be available yet, both are receive-only, and neither is a true standalone radio.

If the BeMicro is used as the FPGA front end a very limited standalone UI can be implemented. (The BeRadio software lets you use two of the button on the BeMicro to tune the radio up and down.) You would either have to buy a $500 NIOS II license or recode the FPGA to use a different soft processor; the free evaluation license for NIOS II only works while the product is tethered to a PC. And you would have to implement some way to get firmware into the BeMicro; it has no persistent memory, it depends on getting its firmware downloaded from a PC every time you use it.

None of the products shown on the Zephyr site, even the ones that are not yet available, are true competitors for the ELAD. The only one that looks to me like a reasonable value is the UDPSDR-HF1 if they actually sell it for the projected $100; it would be an interesting alternative to the Softrock Ensemble II for people who want to experiment with an ADC-based SDR rather than a QSD-based one. The BeRadio is too limited in frequency coverage and dynamic range to be a generally useful ham receiver; it will only work on the 160 and 80 meter bands and on any LF and MF allocations we get (or already have in some countries). The UDPSDR-HF2 will be more capable, but if you've got $500 to spend I think you can do better.

On Tue, Jun 25, 2013 at 6:44 AM, Alberto I2PHD <i2phd@...>wrote:

> **
>
>
> --- In sdr-users@yahoogroups.com, "The Silver Fox"
<alan.r.hill@...><alan.r.hill@...>wrote:
>
>
> * The BeRadio system appears to be comparable and it is about $450
> without a**
> ** case.**
> ** **
> ** 73,**
> ** **
> ** Alan - W6ARH**
> *
>

>
> Comparable ? Really ? The following was copied from the site
> http://www.altera.com/b/BeRadio.html
> where BeRadio is described :
>
> *
> > The BeRadio uses a 12 bit 10 Msps ADC from Linear Technology for the
> analog front end,**
> **> and a Cyclone IV FPGA from Altera as the digital processing engine to
> convert the data stream.**
> *
>
> A 12-bit 10 Msps ADC ? And you would call this an SDR capable of covering
> all of the HF bands ? Come on...
> *
> *The BeRadio is a nice toy for all those who want to wet their feet with
> the SDR water, before jumping into it.
> But please don't call it a full fledged SDR...
>
> --
> *73 Alberto I2PHD*
>
>
>

352. Commercial advertising or sale of products or software NOT allowed in this Group

Yahoo group: sdr-users
Date: 2013-06-25 11:19:35 UTC
From: sdr.users
Topic: 352 Message: 352

Dear friends,

Just to remind everyone, that the SDR (Software Defined Radio) User's Discussion Group "is NOT a forum for posting commercial advertising or for the sale of products or software" as clearly expressed in our guidelines.

There are other places where you can post/publish brochures of your products and your prices.

Thank you for supporting our educational and informative mission.

73

Juan /K4LCD

353. Re: Commercial advertising or sale of products or software NOT allowed in this Group

Yahoo group: sdr-users
Date: 2013-06-25 12:26:40 UTC
From: n1rx
Topic: 352 Message: 353

While I agree that manufacturers (or those associated with them) should not "advertise their wares" in this forum, is not the dissemination of information about the various features, shortcomings, and price points of different SDR hardware and software part of the "educational and informative mission" of this group?
Regards,
Bruce
N1RX
--- In sdr-users@yahoogroups.com, "sdr.users" <sdr.users@...> wrote:
>
> Dear friends,
>
> Just to remind everyone, that the SDR (Software Defined Radio) User's Discussion Group "is NOT a forum for posting commercial advertising or for the sale of products or software" as clearly expressed in our guidelines.
>
> There are other places where you can post/publish brochures of your products and your prices.
>
> Thank you for supporting our educational and informative mission.
>
> 73
>
> Juan /K4LCD
>

354. RE: [sdr-users] Re: Commercial advertising or sale of products or software NOT allowed in this Group

Yahoo group: sdr-users
Date: 2013-06-25 13:06:43 UTC
From: george_gloria99@...
Topic: 352 Message: 354

Sent from Yahoo! Mail for iPad

355. Many different SDR receivers and Xcvrs

Yahoo group: sdr-users
Date: 2013-06-25 13:14:48 UTC
From: george_gloria99@...
Topic: 355 Message: 355

It seems like every day someone posts info on yet another existing SDR.

Has anyone compiled a list of the available SDR's along with web references?

I bought an Afedri unit recently and am amazed with its Performance. While I have no means to do an objective comparison, it appears to receive as well as my F1.5K.

George
K2CM

Sent from Yahoo! Mail for iPad

356. Re: [sdr-users] Many different SDR receivers and Xcvrs

Yahoo group: sdr-users
Date: 2013-06-25 13:21:10 UTC
From: Ken N9VV
Topic: 355 Message: 356

How about a list of 65 QSD stuff?
http://www.n9vv.com/collected-list-QSD-kits.html

dit dit
de Ken N9VV

On 6/25/2013 8:14 AM, george_gloria99@... wrote:
> It seems like every day someone posts info on yet another existing SDR.
>
> Has anyone compiled a list of the available SDR's along with web
> references?
>
> I bought an Afedri unit recently and am amazed with its Performance.
> While I have no means to do an objective comparison, it appears to
> receive as well as my F1.5K.
>
> George
> K2CM

357. Re: [sdr-users] Re: Commercial advertising or sale of products or software NOT allowed in this Group

Yahoo group: sdr-users
Date: 2013-06-25 13:22:47 UTC
From: Shirley Márquez Dúlcey
Topic: 352 Message: 357

I have to agree with Bruce here. I haven't seen any commercial advertising here recently. I have seen a number of informational posts (including a couple of my own) about available SDR devices, made by people with no financial interest in those devices.

On Tue, Jun 25, 2013 at 8:26 AM, n1rx <bruce.beford@...> wrote:

> **
>
>
>
> While I agree that manufacturers (or those associated with them) should
> not "advertise their wares" in this forum, is not the dissemination of
> information about the various features, shortcomings, and price points of
> different SDR hardware and software part of the "educational and
> informative mission" of this group?
> Regards,
> Bruce
> N1RX
>
> --- In sdr-users@yahoogroups.com, "sdr.users" <sdr.users@...> wrote:
> >
> > Dear friends,
> >
> > Just to remind everyone, that the SDR (Software Defined Radio) User's
> Discussion Group "is NOT a forum for posting commercial advertising or for
> the sale of products or software" as clearly expressed in our guidelines.
> >
> > There are other places where you can post/publish brochures of your
> products and your prices.
> >
> > Thank you for supporting our educational and informative mission.
> >
> > 73
> >
> > Juan /K4LCD
> >
>
>
>

358. Re: Commercial advertising or sale of products or software NOT allowed in this Group

Yahoo group: sdr-users
Date: 2013-06-25 13:28:45 UTC
From: pd0psb@...
Topic: 352 Message: 358

I'm not affiliated with any SDR company.
But I'd like to hear about (or point to) new or interesting equipment on the market.

Is that allowed?

73
Paul
PD0PSB

--- In sdr-users@yahoogroups.com, Shirley Márquez Dúlcey <mark@...> wrote:
>
> I have to agree with Bruce here. I haven't seen any commercial advertising
> here recently. I have seen a number of informational posts (including a
> couple of my own) about available SDR devices, made by people with no
> financial interest in those devices.
>
>
> On Tue, Jun 25, 2013 at 8:26 AM, n1rx <bruce.beford@...> wrote:
>
> > **
> > >
> > >
> > >
> > While I agree that manufacturers (or those associated with them) should
> > not "advertise their wares" in this forum, is not the dissemination of
> > information about the various features, shortcomings, and price points of
> > different SDR hardware and software part of the "educational and
> > informative mission" of this group?
> > Regards,
> > Bruce
> > N1RX
> > >
> > --- In sdr-users@yahoogroups.com, "sdr.users" <sdr.users@> wrote:
> > > >
> > > Dear friends,
> > > >
> > > Just to remind everyone, that the SDR (Software Defined Radio) User's
> > Discussion Group "is NOT a forum for posting commercial advertising or for
> > the sale of products or software" as clearly expressed in our guidelines.
> > > >
> > > There are other places where you can post/publish brochures of your
> > products and your prices.
> > > >
> > > Thank you for supporting our educational and informative mission.

> > >
> > > 73
> > >
> > > Juan /K4LCD
> > >
> >
> >
> >
>

359. Re: [sdr-users] Re: Commercial advertising or sale of products or software NOT allowed in this Group

Yahoo group: sdr-users
Date: 2013-06-25 13:39:00 UTC
From: W3TLN
Topic: 352 Message: 359

I'm confused. Who is the listowner here and who makes the determination of what can be posted to sdr-users???

-Tom, W3TLN

On 25 Jun 2013 at 9:22, Shirley Márquez Dúlcey wrote:

>
>
>
>
> I have to agree with Bruce here. I haven't seen any commercial advertising here recently. I have
> seen a number of informational posts (including a couple of my own) about available SDR
> devices, made by people with no financial interest in those devices.
>
>
> On Tue, Jun 25, 2013 at 8:26 AM, n1rx <bruce.beford@myfairpoint.net> wrote:
>
> While I agree that manufacturers (or those associated with them) should not "advertise their
> wares" in this forum, is not the dissemination of information about the various features,
> shortcomings, and price points of different SDR hardware and software part of the
> "educational and informative mission" of this group?
> Regards,
> Bruce
> N1RX
>
> --- In sdr-users@yahoogroups.com, "sdr.users" <sdr.users@...> wrote:
> >
> > Dear friends,
> >
> > Just to remind everyone, that the SDR (Software Defined Radio) User's Discussion Group
> "is NOT a forum for posting commercial advertising or for the sale of products or software"
> as clearly expressed in our guidelines.
> >
> > There are other places where you can post/publish brochures of your products and your
> prices.
> >
> > Thank you for supporting our educational and informative mission.
> >
> > 73
> >

> > Juan /K4LCD
> >
>
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>

360. Re: Commercial advertising or sale of products or software NOT allowed in this Group

Yahoo group: sdr-users
Date: 2013-06-25 13:40:32 UTC
From: Alberto I2PHD
Topic: 352 Message: 360

On 6/25/2013 3:28 PM, pd0psb@... wrote:

> /I'm not affiliated with any SDR company.//
> //But I'd like to hear about (or point to) new or interesting equipment on the market.//
> / /
> //Is that allowed?//
> /

Agreed. And should that be not allowed, there always is the alternative of the soft_radio Yahoo group :
http://groups.yahoo.com/group/soft_radio/
where those kinds of postings are not only allowed, but even encouraged.
I know, I am the group owner... :-)
Only WTS (Want To Sale) and WTB (Want To Buy) messages are not permitted...

--
/*73 Alberto I2PHD

*/

361. Re: [sdr-users] Many different SDR receivers and Xcvrs

Yahoo group: sdr-users
Date: 2013-06-25 13:49:49 UTC
From: George Allen
Topic: 355 Message: 361

Pretty good reference...good starting point!

George
K2CM

_____
From: Ken N9VV <n9vv@...>
To: george_gloria99@...
Cc: sdr-users@yahoogroups.com
Sent: Tuesday, June 25, 2013 9:21 AM
Subject: Re: [sdr-users] Many different SDR receivers and Xcvrs

How about a list of 65 QSD stuff?
http://www.n9vv.com/collected-list-QSD-kits.html

dit dit
de Ken N9VV

On 6/25/2013 8:14 AM, george_gloria99@... wrote:
> It seems like every day someone posts info on yet another existing SDR.
>
> Has anyone compiled a list of the available SDR's along with web
> references?
>
> I bought an Afedri unit recently and am amazed with its Performance.
> While I have no means to do an objective comparison, it appears to
> receive as well as my F1.5K.
>
> George
> K2CM

362. Re: [sdr-users] Many different SDR receivers and Xcvrs

Yahoo group: sdr-users
Date: 2013-06-25 13:59:34 UTC
From: Ken N9VV
Topic: 355 Message: 362

Thanks George,
please update the list and put it on your website. I have discontinued
following the QSD architecture equipment in favor of modern DDC/DUC
technologies.

rgds,
73 Ken N9VV

On 6/25/2013 8:49 AM, George Allen wrote:
> Pretty good reference...good starting point!
>
> George
> K2CM
>
> ---
> *From:* Ken N9VV <n9vv@...>
> *To:* george_gloria99@...
> *Cc:* sdr-users@yahoogroups.com
> *Sent:* Tuesday, June 25, 2013 9:21 AM
> *Subject:* Re: [sdr-users] Many different SDR receivers and Xcvrs
>
> How about a list of 65 QSD stuff?
> http://www.n9vv.com/collected-list-QSD-kits.html
>
> dit dit
> de Ken N9VV
>
>
> On 6/25/2013 8:14 AM, george_gloria99@...
> <mailto:george_gloria99@...> wrote:
> > It seems like every day someone posts info on yet another existing SDR.
> >
> > Has anyone compiled a list of the available SDR's along with web
> > references?
> >
> > I bought an Afedri unit recently and am amazed with its Performance.
> > While I have no means to do an objective comparison, it appears to
> > receive as well as my F1.5K.
> >
> > George
> > K2CM

363. Re: Commercial advertising or sale of products or software NOT allowed in this Group

Yahoo group: sdr-users
Date: 2013-06-25 14:44:37 UTC
From: Alberto I2PHD
Topic: 352 Message: 363

On 6/25/2013 3:40 PM, Alberto I2PHD wrote:

> /Only WTS (Want To Sale) and WTB (Want To Buy) messages are not permitted.../

Of course I meant WTS (Want To Sell).... not Want To Sale.... English is only my third language...

--
/*73 Alberto I2PHD*/

364. RE: [sdr-users] HackRF Jawbreaker

Yahoo group: sdr-users
Date: 2013-06-25 15:06:50 UTC
From: The Silver Fox
Topic: 342 Message: 364

Thanks. I wouldn't dare try transmitting with it without knowing its behavior.

73,

Alan - W6ARH

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of David Turnbull
Sent: Monday, June 24, 2013 7:47 PM
To: sdr-users@yahoogroups.com
Subject: Re: [sdr-users] HackRF Jawbreaker

On Mon, Jun 24, 2013 at 7:24 PM, The Silver Fox <alan.r.hill@...> wrote:

Anyone out there gotten one of these boards working as an SDR?

I know Jared from the design team. I've seen various iterations of the device working with GNU Radio. He said this was a device intended for security research and will not comply with FCC rules for spurious emissions. Specifically, the transmit image rejection is not sufficient.

73 David http://AE9RB.com/

365. Re: [sdr-users] Re: Commercial advertising or sale of products or software NOT allowed in this Group

Yahoo group: sdr-users
Date: 2013-06-25 15:50:50 UTC
From: Henry
Topic: 352 Message: 365

Juan,

I agree with Bruce.

It's interesting to see what's about.

On 25/06/2013 10:26 PM, n1rx wrote:
> While I agree that manufacturers (or those associated with them) should not "advertise their wares" in this forum, is not the dissemination of information about the various features, shortcomings, and price points of different SDR hardware and software part of the "educational and informative mission" of this group?
> Regards,
> Bruce
> N1RX
> --- In sdr-users@yahoogroups.com, "sdr.users" <sdr.users@...> wrote:
>> Dear friends,
>>
>> Just to remind everyone, that the SDR (Software Defined Radio) User's Discussion Group "is NOT a forum for posting commercial advertising or for the sale of products or software" as clearly expressed in our guidelines.
>>
>> There are other places where you can post/publish brochures of your products and your prices.
>>
>> Thank you for supporting our educational and informative mission.
>>
>> 73
>>
>> Juan /K4LCD
>>
>
>
>
> ------------------------------------
>
> Yahoo! Groups Links
>
>
>
>

366. RE: [sdr-users] Commercial advertising or sale of products or software NOT allowed in this Group

Yahoo group: sdr-users
Date: 2013-06-25 16:32:51 UTC
From: Jeff Cook
Topic: 352 Message: 366

Juan old cock, is one allowed to propose marriage? If not I'm already barred.

Jeff, G0AFQ.

Dear friends,

Just to remind everyone, that the SDR (Software Defined Radio) User's Discussion Group "is NOT a forum for posting commercial advertising or for the sale of products or software" as clearly expressed in our guidelines.

There are other places where you can post/publish brochures of your products and your prices.

Thank you for supporting our educational and informative mission.

73

Juan /K4LCD

367. Re: [sdr-users] Re: Commercial advertising or sale of products or software NOT allowed in this Group

Yahoo group: sdr-users
Date: 2013-06-25 16:45:57 UTC
From: Daniel C. Baral
Topic: 352 Message: 367

```
Agreed!!!!! Daniel w3dcb ----- Original Message -----
|
| Juan,
| I agree with Bruce.
| It's interesting to see what's about.
| On 25/06/2013 10:26 PM, n1rx wrote:
| > While I agree that manufacturers (or those associated with them)
| > should not "advertise their wares" in this forum, is not the
| > dissemination of information about the various features,
| > shortcomings, and price points of different SDR hardware and
| > software part of the "educational and informative mission" of this
| > group?
| > Regards,
| > Bruce
| > N1RX
| > --- In sdr-users@yahoogroups.com , "sdr.users" <sdr.users@...>
| > wrote:
| >> Dear friends,
| >>
| >> Just to remind everyone, that the SDR (Software Defined Radio)
| >> User's Discussion Group "is NOT a forum for posting commercial
| >> advertising or for the sale of products or software" as clearly
| >> expressed in our guidelines.
| >>
| >> There are other places where you can post/publish brochures of your
| >> products and your prices.
| >>
| >> Thank you for supporting our educational and informative mission.
| >>
| >> 73
| >>
| >> Juan /K4LCD
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| > Yahoo! Groups Links
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368. Re: [sdr-users] Re: 5W SDR Transceiver from Italy

Yahoo group: sdr-users
Date: 2013-06-25 19:01:17 UTC
From: John Marvin
Topic: 316 Message: 368

FYI, there is also a planned high end TX board (UDPSDR-TX2) that
connects to the UDPSDR-HF2. It"s supposed to sell for slightly less than
$200. Note that these designs are adapted from the HPSDR Mercury and
Penelope designs, and should be compatible with the OpenHPSDR software
(although I'm not sure what commitment there will be to maintain
parallel firmware to remain compatible with OpenHPSDR software
improvements). So it might be possible to put everything together and
have the equivalent of an OpenHPSDR Hermes for about $200 less. But
that's without a case, etc. and the form factor seems like it will be
less convenient if trying to install it all into a nice case.

John
AC0ZG

On 6/25/2013 5:14 AM, Shirley M?rquez D?lcey wrote:
> The BeRadio is indeed a toy for playing around with SDR. If you get
> one for free at one of the Altera/Arrow seminars it's an appealing toy
> to get. I have one, and it's well worth every cent I paid for it :)
>
> Zephyr Engineering plans some more capable SDR receivers, the
> UDPSDR-HF1 and UDPSDR-HF2. Neither appears to be available yet, both
> are receive-only, and neither is a true standalone radio.
>
> If the BeMicro is used as the FPGA front end a very limited standalone
> UI can be implemented. (The BeRadio software lets you use two of the
> button on the BeMicro to tune the radio up and down.) You would either
> have to buy a $500 NIOS II license or recode the FPGA to use a
> different soft processor; the free evaluation license for NIOS II only
> works while the product is tethered to a PC. And you would have to
> implement some way to get firmware into the BeMicro; it has no
> persistent memory, it depends on getting its firmware downloaded from
> a PC every time you use it.
>
> None of the products shown on the Zephyr site, even the ones that are
> not yet available, are true competitors for the ELAD. The only one
> that looks to me like a reasonable value is the UDPSDR-HF1 if they
> actually sell it for the projected $100; it would be an interesting
> alternative to the Softrock Ensemble II for people who want to
> experiment with an ADC-based SDR rather than a QSD-based one. The
> BeRadio is too limited in frequency coverage and dynamic range to be a
> generally useful ham receiver; it will only work on the 160 and 80
> meter bands and on any LF and MF allocations we get (or already have
> in some countries). The UDPSDR-HF2 will be more capable, but if you've
> got $500 to spend I think you can do better.
>

>
> On Tue, Jun 25, 2013 at 6:44 AM, Alberto I2PHD <i2phd@...
> <mailto:i2phd@...>> wrote:
>
> --- In sdr-users@yahoogroups.com
> <mailto:sdr-users%40yahoogroups.com>, "The Silver Fox"
> <alan.r.hill@...> <mailto:alan.r.hill@...> wrote:
>>
>>
>> / The BeRadio system appears to be comparable and it is about
>> $450 without a//
>> // case.//
>> ////
>> // 73,//
>> ////
>> // Alan - W6ARH//
>> /
>>
>
> Comparable ? Really ? The following was copied from the site
> http://www.altera.com/b/BeRadio.html
> where BeRadio is described :
>
> /
> > The BeRadio uses a 12 bit 10 Msps ADC from Linear Technology for
> the analog front end,//
> //> and a Cyclone IV FPGA from Altera as the digital processing
> engine to convert the data stream.//
> /
>
> A 12-bit 10 Msps ADC ? And you would call this an SDR capable of
> covering all of the HF bands ? Come on...
> /
> /The BeRadio is a nice toy for all those who want to wet their
> feet with the SDR water, before jumping into it.
> But please don't call it a full fledged SDR...
>
> --
> /*73 Alberto I2PHD*/
>
>
>

369. afedri (Re: Many different SDR receivers and Xcvrs)

Yahoo group: sdr-users
Date: 2013-06-25 19:09:02 UTC
From: vasiliy_k3it
Topic: 355 Message: 369

I have afedri as well for over a year and agree it's hard to beat. It works with an incredible number of different SDR software thanks to ExtIO. The low price is due to a "discontinued" but still avaialble system on a chip ADC/mixer/filter package designed by Burr Brown. There is no FPGA and it uses under 3 watts so can be powered by a standard USB port. The latest version can output up to 2 MHz wide baseband signal over the ethernet connection. At the price it's a no brainier. Downsides are it's "only" a 12bit DDC receiver. It's also a bit of a bear to setup on the network. One needs to hard code an IP and do it right (it doesn't have a DHCP client). (no commercial interest here, just a user) Vasiliy K3IT --- In sdr-users@yahoogroups.com, george_gloria99@... wrote: > > It seems like every day someone posts info on yet another existing SDR.

Has anyone compiled a list of the available SDR's along with web references?

I bought an Afedri unit recently and am amazed with its Performance. While I have no means to do an objective comparison, it appears to receive as well as my F1.5K.

George
K2CM

Sent from Yahoo! Mail for iPad >

370. BeRadio

Yahoo group: sdr-users
Date: 2013-06-25 21:34:53 UTC
From: Bill Wright
Topic: 370 Message: 370

I have played with this Altera demo board. You are correct that it is simplistic at best with a 12 bit proc.
Another problem is the Altera experimenters suite is a bear to download and then get it to work
We had the ALTERA people cussing it whilst they were demo it to a bunch of hams. It does work
but it is not prime time. I would stick with the Softrock 40 until you are ready to jump into the
deep end of the pool.
Not sure if you were the originator but share if you were not.
Bill de kd5yyk

371. Re: [sdr-users] Many different SDR receivers and Xcvrs

Yahoo group: sdr-users
Date: 2013-06-25 22:06:01 UTC
From: bob johnson
Topic: 355 Message: 371

Thanks Ken

looks like what I have been looking for, but could not find..

73 de bob kd4lv

372. Re: [sdr-users] Re: Commercial advertising or sale of products or software NOT allowed in this Group

Yahoo group: sdr-users
Date: 2013-06-25 22:09:35 UTC
From: bob johnson
Topic: 352 Message: 372

I understand Juan’s point. Admins should be watchful of violations. I understood his statement to mean that some of the post were getting close to advertising.

We should be appreciative that Juan is doing his job.

bob

kd4lv

373. Re: Commercial advertising or sale of products or software NOT allowed in this Group

Yahoo group: sdr-users
Date: 2013-06-25 22:14:44 UTC
From: bob johnson
Topic: 352 Message: 373

Have taught lots of students who do not know the difference between sell and sale, and they only ‘know’ one language. (English) Hi

de bob kd4lv

374. RE: [sdr-users] HackRF Jawbreaker

Yahoo group: sdr-users
Date: 2013-06-25 22:25:50 UTC
From: bob johnson
Topic: 342 Message: 374

Same here, David. In one of my previous post, I stated that the operator/engineer is responsible for transmitting equipment malfunctions.

In reference to Amateur Radio, the Op holds two licenses, the operator’s license and the station license. They are combined into one document. For the new operators, look at your license, it will show both listed.

Some commercial stations require a station license holder and an operator’s license holder, and they can be different people/entities. Some people hold several station licenses, but not an operator’s license.

And, the citizens band requires neither. But requires the equipment to be registered with the FCC.

So, hams have a double whammy. We are responsible for both station and operator violations.

That is the reason that it is rather difficult to obtain an Extra class license.

de bob kd4lv

375. Re: 5W SDR Transceiver from Italy

Yahoo group: sdr-users
Date: 2013-06-26 00:14:07 UTC
From: jabauzit
Topic: 316 Message: 375

--- In sdr-users@yahoogroups.com, John Marvin <jm-softrock@...> wrote:
>
> FYI, there is also a planned high end TX board (UDPSDR-TX2) that
> connects to the UDPSDR-HF2. It"s supposed to sell for slightly less than
> $200. Note that these designs are adapted from the HPSDR Mercury and
> Penelope designs, and should be compatible with the OpenHPSDR software
> (although I'm not sure what commitment there will be to maintain
> parallel firmware to remain compatible with OpenHPSDR software
> improvements). So it might be possible to put everything together and
> have the equivalent of an OpenHPSDR Hermes for about $200 less. But
> that's without a case, etc. and the form factor seems like it will be
> less convenient if trying to install it all into a nice case.
>

Nothing is free in this world: while it will be $200 less it is not quite the equivalent of Hermes.

Starting with the FPGA
Hermes BeMicro FPGA
LE ("gates") 39,600 22,320
M9K Blocks 126 66
Memory (Kbits) 1,134 594
Multipliers 126 66
PLLs 4 4
Max pins 535 153
Diff. Channels 227 52
Price Range $80 $40

Hermes has also a SPI bus to control band switching on a filter board and also for reading the power out/SWR. This will have to be provided for the UDPSDR (price increase and another cable going to the PC). Hermes also has a few more things which are not on the UDPSDR: more configurable, various digital and analog I/O pins, speaker ouputs...
Besides flyers there does not seem to be any documentation available for the UDPSDR.
With the ongoing development on Hermes I am not sure that the OpenHPSDR software will work out of the box with the UDPSDR, in which case someone will have to do the modifications to the code.

Jean-Claude PJ2BVU

376. Signal Reference Needed

Yahoo group: sdr-users
Date: 2013-06-26 16:42:26 UTC
From: Simon GD4ELI/HB9DRV
Topic: 376 Message: 376

Hi All,

Friday's Friedrichshafen day which usually means decent German beers and a bratwurst or three. I do need a small box which will deliver a low-level signal - say -20dB with reasonable accuracy (+/- 0.1dB) at a known frequency (doesn't have to be ultra-accurate). This box is for sticking into the zillion + 1 SDR radios I have so that I can calibrate the various RF gain levels.

Gents and Ladies, any suggestions? I don't want to pay a lot of money.

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

377. Re: [sdr-users] Signal Reference Needed

Yahoo group: sdr-users
Date: 2013-06-26 16:53:23 UTC
From: Roger Critchlow
Topic: 376 Message: 377

http://www.box73.de/product_info.php?products_id=2740 is on my wishlist, so
I haven't actually laid hands on one, but it looks like the right idea.

-- rec -- ad5dz --

On Wed, Jun 26, 2013 at 10:42 AM, Simon GD4ELI/HB9DRV
<simon@...>wrote:

>
>
> Hi All,****
>
> ** **
>
> Friday’s Friedrichshafen day which usually means decent German beers and a
> bratwurst or three. I do need a small box which will deliver a low-level
> signal – say -20dB with reasonable accuracy (+/- 0.1dB) at a known
> frequency (doesn’t have to be ultra-accurate). This box is for sticking
> into the zillion + 1 SDR radios I have so that I can calibrate the various
> RF gain levels.****
>
> ** **
>
> Gents and Ladies, any suggestions? I don’t want to pay a lot of money.****
>
> ** **
>
> Simon GD4ELI/HB9DRV****
>
> http://v2.sdr-radio.com/****
>
> ** **
>
>
>
>

378. RE: [sdr-users] Signal Reference Needed

Yahoo group: sdr-users
Date: 2013-06-26 16:57:52 UTC
From: Simon GD4ELI/HB9DRV
Topic: 376 Message: 378

Brilliant! Maybe it'll be at the show.

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of Roger Critchlow
Sent: 26 June 2013 18:53
To: sdr-users@yahoogroups.com
Subject: Re: [sdr-users] Signal Reference Needed

http://www.box73.de/product_info.php?products_id=2740 is on my wishlist, so I haven't actually laid hands on one, but it looks like the right idea.

-- rec -- ad5dz --

On Wed, Jun 26, 2013 at 10:42 AM, Simon GD4ELI/HB9DRV <simon@...> wrote:

Hi All,

Friday's Friedrichshafen day which usually means decent German beers and a bratwurst or three. I do need a small box which will deliver a low-level signal - say -20dB with reasonable accuracy (+/- 0.1dB) at a known frequency (doesn't have to be ultra-accurate). This box is for sticking into the zillion + 1 SDR radios I have so that I can calibrate the various RF gain levels.

Gents and Ladies, any suggestions? I don't want to pay a lot of money.

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

379. Re: [sdr-users] Signal Reference Needed

Yahoo group: sdr-users
Date: 2013-06-26 17:00:51 UTC
From: Alberto I2PHD
Topic: 376 Message: 379

On 6/26/2013 6:42 PM, Simon GD4ELI/HB9DRV wrote:

> /Friday?s Friedrichshafen day which usually means decent German beers and a bratwurst or three. I do need a small box
> which will deliver a low-level signal ? say -20dB with reasonable accuracy (+/- 0.1dB) at a known frequency (doesn?t
> have to be ultra-accurate). This box is for sticking into the zillion + 1 SDR radios I have so that I can calibrate
> the various RF gain levels.///
>
> //
>
> /Gents and Ladies, any suggestions? I don?t want to pay a lot of money./
>

Maybe the Elecraft XG2 ? Look also here : http://www.n5ese.com/xg2_elecraft_sig_gen.htm

http://www.elecraft.com/mini_module_kits/xg2_800.jpg

--
/*73 Alberto I2PHD*/

380. Re: [sdr-users] Signal Reference Needed

Yahoo group: sdr-users
Date: 2013-06-26 17:02:46 UTC
From: Chris Smith
Topic: 376 Message: 380

… or the Elecraft XG3 RF Signal Source. Elecraft used to produce a very reasonable kit for a 3 frequency - 2 level signal source but it seems to have disappeared from their catalogue.

I have one of the old kits and use it to calibrate my HPSDR kit.

Chris G4NUX

On 26 Jun 2013, at 17:53, Roger Critchlow <rec@...> wrote:

>
> http://www.box73.de/product_info.php?products_id=2740 is on my wishlist, so I haven't actually laid hands on one, but it looks like the right idea.
>
> -- rec -- ad5dz --
>
>
> On Wed, Jun 26, 2013 at 10:42 AM, Simon GD4ELI/HB9DRV <simon@...> wrote:
>
>
> Hi All,
>
>
>
> Friday’s Friedrichshafen day which usually means decent German beers and a bratwurst or three. I do need a small box which will deliver a low-level signal – say -20dB with reasonable accuracy (+/- 0.1dB) at a known frequency (doesn’t have to be ultra-accurate). This box is for sticking into the zillion + 1 SDR radios I have so that I can calibrate the various RF gain levels.
>
>
>
> Gents and Ladies, any suggestions? I don’t want to pay a lot of money.
>
>
>
> Simon GD4ELI/HB9DRV
>
> http://v2.sdr-radio.com/
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>

381. Re: [sdr-users] Signal Reference Needed

Yahoo group: sdr-users
Date: 2013-06-26 17:04:39 UTC
From: Chris Smith
Topic: 376 Message: 381

Alberto beat me to it - the XG2 is the one I have and it's still available.

Chris G4NUX

On 26 Jun 2013, at 18:02, Chris Smith <chris@...> wrote:

> … or the Elecraft XG3 RF Signal Source. Elecraft used to produce a very reasonable kit for a 3 frequency - 2 level signal source but it seems to have disappeared from their catalogue.
>
> I have one of the old kits and use it to calibrate my HPSDR kit.
>
> Chris G4NUX
>
> On 26 Jun 2013, at 17:53, Roger Critchlow <rec@...> wrote:
>
>>
>> http://www.box73.de/product_info.php?products_id=2740 is on my wishlist, so I haven't actually laid hands on one, but it looks like the right idea.
>>
>> -- rec -- ad5dz --
>>
>>
>> On Wed, Jun 26, 2013 at 10:42 AM, Simon GD4ELI/HB9DRV <simon@...> wrote:
>>
>>
>> Hi All,
>>
>>
>>
>> Friday’s Friedrichshafen day which usually means decent German beers and a bratwurst or three. I do need a small box which will deliver a low-level signal – say -20dB with reasonable accuracy (+/- 0.1dB) at a known frequency (doesn’t have to be ultra-accurate). This box is for sticking into the zillion + 1 SDR radios I have so that I can calibrate the various RF gain levels.
>>
>>
>>
>> Gents and Ladies, any suggestions? I don’t want to pay a lot of money.
>>
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>>
>> Simon GD4ELI/HB9DRV
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>> http://v2.sdr-radio.com/
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382. RE: [sdr-users] Signal Reference Needed

Yahoo group: sdr-users
Date: 2013-06-26 17:06:00 UTC
From: Jeff Cook
Topic: 376 Message: 382

Simon, I have it in mind that you own a Trimble Thunderbolt, if so a simply constructed attenuator, mine is in a small metal box and results in attenuating the Thunderbolt 10 MHz output to -25.4 dB, and as the Thunderbolt is GPS disciplined I find it to be a very useful reference for setting up my HPSDR unit after firmware updates or database resets, both in terms of amplitude and frequency alignment.

Jeff, G0AFQ.

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of Simon GD4ELI/HB9DRV
Sent: 26 June 2013 17:42
To: sdr-users@yahoogroups.com
Subject: [sdr-users] Signal Reference Needed

Hi All,

Friday's Friedrichshafen day which usually means decent German beers and a bratwurst or three. I do need a small box which will deliver a low-level signal - say -20dB with reasonable accuracy (+/- 0.1dB) at a known frequency (doesn't have to be ultra-accurate). This box is for sticking into the zillion + 1 SDR radios I have so that I can calibrate the various RF gain levels.

Gents and Ladies, any suggestions? I don't want to pay a lot of money.

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

383. RE: [sdr-users] Signal Reference Needed

Yahoo group: sdr-users
Date: 2013-06-26 17:12:26 UTC
From: Simon GD4ELI/HB9DRV
Topic: 376 Message: 383

Hi Jeff,

I bought 4 thunderbolts off fleabay when the Chinese were selling them for $150 a pop incl. antennas J .

I wonder what the output level is - must take a look.

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of Jeff Cook
Sent: 26 June 2013 19:06
To: sdr-users@yahoogroups.com
Subject: RE: [sdr-users] Signal Reference Needed

Simon, I have it in mind that you own a Trimble Thunderbolt, if so a simply constructed attenuator, mine is in a small metal box and results in attenuating the Thunderbolt 10 MHz output to -25.4 dB, and as the Thunderbolt is GPS disciplined I find it to be a very useful reference for setting up my HPSDR unit after firmware updates or database resets, both in terms of amplitude and frequency alignment.

Jeff, G0AFQ.

From: sdr-us ers@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of Simon GD4ELI/HB9DRV
Sent: 26 June 2013 17:42
To: sdr-users@yahoogroups.com
Subject: [sdr-users] Signal Reference Needed

Hi All,

Friday's Friedrichshafen day which usually means decent German beers and a bratwurst or three. I do need a small box which will deliver a low-level signal - say -20dB with reasonable accuracy (+/- 0.1dB) at a known frequency (doesn't have to be ultra-accurate). This box is for sticking into the zillion + 1 SDR radios I have so that I can calibrate the various RF gain levels.

Gents and Ladies, any sugg estions? I don't want to pay a lot of money.

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

384. signal sources

Yahoo group: sdr-users
Date: 2013-06-26 17:45:12 UTC
From: Rudy Severns
Topic: 384 Message: 384

Many members of this group are doing great work developing SDR receivers. A calibrated signal source is a vital tool for the serious developer.

I suggest you may want to consider buying a used HP3336A/B/C synthesizer/level generator. A/B/C reflects units with a different selection of output impedances. The C is the one with a 50 and 75 Ohm outputs. A check today on EBay shows prices from $95 to $600. I have A and C models both of which I obtained for $200 or less. You just need to shop around a bit. They are well worth the investment providing a very flexible precision source which can be calibrated to a GPS or other frequency standard.

I have used mine as the local oscillator for the WD2XSH/20 operation on 600 and 630m as well as for receiver testing.

73, Rudy N6LF, WD2XSH/20

385. Re: [sdr-users] signal sources

Yahoo group: sdr-users
Date: 2013-06-26 18:59:57 UTC
From: Alberto I2PHD
Topic: 384 Message: 385

On 6/26/2013 7:45 PM, Rudy Severns wrote:

> /I suggest you may want to consider buying a used HP3336A/B/C
> synthesizer/level generator./

This is an excellent suggestion. I have the C model and can confirm its usefulness.
Being Simon in Europe, another good choice is the family of PegelSender (Signal Generator) and Selktiver PegelMesser (Selective Voltmeter) from W&G (Wandel & Goltermann).

For example the W&G PS-60 model, which can be found often for around 100 Euro,
covers from 6 kHz to 18 MHz, with a calibrated output precise to +- 0.1 dBm.
It is not synthesized, so its frequency stability is not stellar, but its spectrum cleanliness
and the precision of the signal level are.

It's amazing to connect the PS-60 to an HP-3586, and to see that those pieces of hardware, from different manufacturers and different ages, agree each other on the level of the signal, often down to a fraction of dB....

--
/*73 Alberto I2PHD*/

386. RE: [sdr-users] Signal Reference Needed

Yahoo group: sdr-users
Date: 2013-06-26 19:13:09 UTC
From: Jeff Cook
Topic: 376 Message: 386

The manual specifies the following: 10 MHz, BNC connector, Waveform is sinusoidal +12.5dBm (+/- 2.5dBm into 50 ohms).

I bought mine via eBay quite possibly from the same supplier, it was 4 to 5 years ago now and has given unstinting service since then. You bought 4 of them? You must be either a speculator or a hoarder.

Jeff, G0AFQ.

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of Simon GD4ELI/HB9DRV
Sent: 26 June 2013 18:12
To: sdr-users@yahoogroups.com
Subject: RE: [sdr-users] Signal Reference Needed

Hi Jeff,

I bought 4 thunderbolts off fleabay when the Chinese were selling them for $150 a pop incl. antennas J .

I wonder what the output level is - must take a look.

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

387. Friedrichshafen 2013

Yahoo group: sdr-users
Date: 2013-06-27 08:15:10 UTC
From: Simon GD4ELI/HB9DRV
Topic: 387 Message: 387

Hi All,

I'll be stumbling around the show tomorrow (Friday), if you see someone in need of a beer and a pie then that'll be me J .

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

388. Re: [sdr-users] Friedrichshafen 2013

Yahoo group: sdr-users
Date: 2013-06-27 11:54:29 UTC
From: Ken N9VV
Topic: 387 Message: 388

please send pictures :-)
thanks Simon,
73 Ken

On 6/27/2013 3:15 AM, Simon GD4ELI/HB9DRV wrote:
> Hi All,
>
> I?ll be stumbling around the show tomorrow (Friday), if you see someone
> in need of a beer and a pie then that?ll be me J .
>
> Simon GD4ELI/HB9DRV
>
> http://v2.sdr-radio.com/
>
>

389. Re: [sdr-users] Friedrichshafen 2013

Yahoo group: sdr-users
Date: 2013-06-27 14:17:30 UTC
From: Chris Wilson
Topic: 387 Message: 389

> please send pictures :-)
> thanks Simon,
> 73 Ken

27/06/2013 15:16

No, no! Please send *samples* :)

--
Best Regards,
Chris Wilson.

390. Re: [sdr-users] Friedrichshafen 2013

Yahoo group: sdr-users
Date: 2013-06-27 14:31:00 UTC
From: Curt, WE7U
Topic: 387 Message: 390

On Thu, 27 Jun 2013, Chris Wilson wrote:

>> please send pictures :-)
>> thanks Simon,
>> 73 Ken
>
>
>
> 27/06/2013 15:16
>
> No, no! Please send *samples* :)

8-bit or 16? hi hi

--
Curt, WE7U. http://wetnet.net/~we7u
APRS Device Capabilities: http://wetnet.net/~we7u/aprs_device_capabilities.html

391. Re: [sdr-users] Friedrichshafen 2013

Yahoo group: sdr-users
Date: 2013-06-27 15:13:21 UTC
From: Chris Smith
Topic: 387 Message: 391

Simon

If you're not worried about a) your weight and b) your cholesterol level and your religion don't proscribe it, I can recommend the Schwinshexe that is served in the eating area in the middle of the Messe at Friedrichshafen.

Cheers and 73

Chris G4NUX

On 27 Jun 2013, at 12:54, Ken N9VV <n9vv@...> wrote:

> please send pictures :-)
> thanks Simon,
> 73 Ken
>
> On 6/27/2013 3:15 AM, Simon GD4ELI/HB9DRV wrote:
>> Hi All,
>>
>> I'll be stumbling around the show tomorrow (Friday), if you see someone
>> in need of a beer and a pie then that'll be me J .
>>
>> Simon GD4ELI/HB9DRV
>>
>> http://v2.sdr-radio.com/
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392. AW: [sdr-users] Friedrichshafen 2013

Yahoo group: sdr-users
Date: 2013-06-28 09:11:05 UTC
From: siegfried jackstien
Topic: 392 Message: 392

Schweinshaxe with sauerkraut and knödel :-) hmmmm thats good

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] Im
> Auftrag von Chris Smith
> Gesendet: Donnerstag, 27. Juni 2013 15:13
> An: sdr-users@yahoogroups.com
> Betreff: Re: [sdr-users] Friedrichshafen 2013
>
> Simon
>
> If you're not worried about a) your weight and b) your cholesterol level
> and your religion don't proscribe it, I can recommend the Schwinshexe that
> is served in the eating area in the middle of the Messe at
> Friedrichshafen.
>
> Cheers and 73
>
> Chris G4NUX
>
> On 27 Jun 2013, at 12:54, Ken N9VV <n9vv@wowway.com> wrote:
>
> > please send pictures :-)
> > thanks Simon,
> > 73 Ken
> >
> > On 6/27/2013 3:15 AM, Simon GD4ELI/HB9DRV wrote:
> >> Hi All,
> >>
> >> I□ll be stumbling around the show tomorrow (Friday), if you see someone
> >> in need of a beer and a pie then that□ll be me J .
> >>
> >> Simon GD4ELI/HB9DRV
> >>
> >> http://v2.sdr-radio.com/
> >>
> >>
> >
> >
> > ------------------------------------
> >

> > Yahoo! Groups Links
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> Yahoo! Groups Links
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393. RE: [sdr-users] Friedrichshafen 2013

Yahoo group: sdr-users
Date: 2013-06-28 16:37:20 UTC
From: Simon GD4ELI/HB9DRV
Topic: 387 Message: 393

Hi,

I had curry wurst mit pommes + beer. Show wasn't up to much...

Lots of SDR present.

Simon GD4ELI/HB9DRV
http://v2.sdr-radio.com/

-----Original Message-----
From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of Chris Smith

If you're not worried about a) your weight and b) your cholesterol level and your religion don't proscribe it, I can recommend the Schwinshexe that is served in the eating area in the middle of the Messe at Friedrichshafen.

394. SDR dongle drive-test software?

Yahoo group: sdr-users
Date: 2013-06-27 21:21:17 UTC
From: Conor Conran
Topic: 394 Message: 394

Hi all,

Does anybody know of any drive-test software that uses a SDR dongle to take geo-tagged signal level measurements?

Ideally I'm looking for a package that can export a map of signal levels as a KML file.

Regards,
Conor

395. AW: [sdr-users] SDR dongle drive-test software?

Yahoo group: sdr-users
Date: 2013-06-28 19:32:12 UTC
From: siegfried jackstien
Topic: 394 Message: 395

Hmmm ... i do not know anything like that ... but sure such things do exist

Sounddoppler does a logging of the bearing (gps synced and brought to map)
... but I do not know how you would log the signal level

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] Im
> Auftrag von Conor Conran
> Gesendet: Donnerstag, 27. Juni 2013 21:21
> An: sdr-users@yahoogroups.com
> Betreff: [sdr-users] SDR dongle drive-test software?
>
>
>
> Hi all,
>
> Does anybody know of any drive-test software that uses a SDR dongle to
> take geo-tagged signal level measurements?
>
> Ideally I'm looking for a package that can export a map of signal levels
> as a KML file.
>
> Regards,
> Conor
>
>
>
>

396. RE: [sdr-users] Friedrichshafen 2013

Yahoo group: sdr-users
Date: 2013-06-28 20:02:44 UTC
From: Jeff Cook
Topic: 387 Message: 396

Simon,

I wouldn't cross the road for a sausage, and a curried sausage at that; good Lord don't they do chips and egg in Friedrichshafen?

Jeff, G0AFQ.

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of Simon GD4ELI/HB9DRV
Sent: 28 June 2013 17:37
To: sdr-users@yahoogroups.com
Subject: RE: [sdr-users] Friedrichshafen 2013

Hi,

I had curry wurst mit pommes + beer. Show wasn't up to much...

Lots of SDR present.

Simon GD4ELI/HB9DRV
http://v2.sdr-radio.com/

397. Re: [sdr-users] Friedrichshafen 2013

Yahoo group: sdr-users
Date: 2013-06-28 20:54:53 UTC
From: georg Prinz
Topic: 387 Message: 397

Hi Jeff,

definately no full English breakfast!

Best Regards from Cumbria

Georg, dl2kp

Am 28.06.2013 22:02, schrieb Jeff Cook:
>
> Simon,
>
> I wouldn't cross the road for a sausage, and a curried sausage at
> that; good Lord don't they do chips and egg in Friedrichshafen?
>
> Jeff, G0AFQ.
>
> *From:*sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com]
> *On Behalf Of *Simon GD4ELI/HB9DRV
> *Sent:* 28 June 2013 17:37
> *To:* sdr-users@yahoogroups.com
> *Subject:* RE: [sdr-users] Friedrichshafen 2013
>
> Hi,
>
> I had curry wurst mit pommes + beer. Show wasn't up to much...
>
> Lots of SDR present.
>
> Simon GD4ELI/HB9DRV
> http://v2.sdr-radio.com/
>
>
>

398. Re: [sdr-users] Friedrichshafen 2013

Yahoo group: sdr-users
Date: 2013-06-29 04:58:38 UTC
From: Lee Mushel
Topic: 387 Message: 398

After 50 years my XYL will cook kraut and kielbasa but then leaves until the smell dissipates.

Lee K9WRU
----- Original Message -----
From: Jeff Cook
To: sdr-users@yahoogroups.com
Sent: Friday, June 28, 2013 2:02 PM
Subject: RE: [sdr-users] Friedrichshafen 2013

Simon,

I wouldn't cross the road for a sausage, and a curried sausage at that; good Lord don't they do chips and egg in Friedrichshafen?

Jeff, G0AFQ.

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of Simon GD4ELI/HB9DRV
Sent: 28 June 2013 17:37
To: sdr-users@yahoogroups.com
Subject: RE: [sdr-users] Friedrichshafen 2013

Hi,

I had curry wurst mit pommes + beer. Show wasn't up to much...

Lots of SDR present.

Simon GD4ELI/HB9DRV
http://v2.sdr-radio.com/

399. Re: [sdr-users] Friedrichshafen 2013

Yahoo group: sdr-users
Date: 2013-06-28 14:09:06 UTC
From: cbayona
Topic: 387 Message: 399

Looked it up, looks yummy, I have several Ham Hocks in the
refrigerator right now, I might try making it this weekend.

At 10:13 AM 6/27/2013, you wrote:
>Simon
>
>If you're not worried about a) your weight and b) your cholesterol
>level and your religion don't proscribe it, I can recommend the
>Schwinshexe that is served in the eating area in the middle of the
>Messe at Friedrichshafen.
>
>Cheers and 73
>
>Chris G4NUX
>
>On 27 Jun 2013, at 12:54, Ken N9VV <n9vv@...> wrote:
>
> > please send pictures :-)
> > thanks Simon,
> > 73 Ken
> >
> > On 6/27/2013 3:15 AM, Simon GD4ELI/HB9DRV wrote:
> >> Hi All,
> >>
> >> I'll be stumbling around the show tomorrow (Friday), if you see someone
> >> in need of a beer and a pie then that'll be me J .
> >>
> >> Simon GD4ELI/HB9DRV
> >>
> >> http://v2.sdr-radio.com/

--
Cecil - k5nwa
< http://thepartsplace.k5nwa.com/ > < http://www.softrockradio.org/ >

Never take life seriously. Nobody gets out alive anyway.

400. Link added to: WA2WVL new high performance HF WIRE antenna designs.

Yahoo group: sdr-users
Date: 2013-06-29 21:43:42 UTC
From: sdr.users
Topic: 400 Message: 400

Hi friends!

Please visit our Link section.

Enjoy.

Regards and 73

Juan /K4LCD

401. My initial User's impressions of my new Apache-Labs ANAN-100D.

Yahoo group: sdr-users
Date: 2013-06-30 11:34:39 UTC
From: sdr.users
Topic: 401 Message: 401

Good morning friends!

After carefully evaluating all information available at the Flex-Radio and Apache Labs User's Groups, the openHPSDR Group and speaking with several new and perspective users, owners of these DDC/DUC transceivers, and folks involved in the development of the Hermes and Angelia project and the software to run it, since late last year, I finally pre-ordered on May 12th w/ a deposit of $100.00 to be applied towards the $65.00 FEDEX freight. On Tuesday June 18th I received a noticed that my radio was ready for shipment and a PayPal invoice that I paid on Wednesday June 19th. I received notification that it had shipped the next day via FEDEX. After leaving India from Delhi, it arrived in Paris on Saturday, and at Memphis TN on Sunday. It remained at U.S. Customs during the day on Monday and arrived at my front door in perfect condition, very well packed, with no missing parts Tuesday, June 25th, at 930am EDT.

Radio came with latest version of Firmware installed. I have not opened the radio and I am running it using all hardware factory settings unchanged (please read User's Manual).

I had it perfectly running on SSB within minutes, without any issues, on all my HF TX/RX (Mosley Pro67-B-3 and Alpha Delta DX-A slopper antennas (selectable) connected to Ant 1. and 2nd RX connected to my 4 x EWE loops (switchable to the NE,NW,SW,and SE, designed by Floyd Koontz WA2WVL and protected by Front End Saver triggered each time I transmit or press the PTT. (Please visit our Links section). It puts out full power on each band, without need to calibrate PA. Had rag chewing sessions on SSB running 100W with at times transmissions lasting more than five minutes, without any perceived abnormal heating of the PA (would describe as luke warm). I am not using antenna tuner except on 160M

Although my 80M/630M Transverter is connected to Antenna 2, I have not tested the radio yet transmitting with 1W(attenuated to 500mw) to drive the transverter at 3.6**MHz and receiving crossband on 600/630M. There has been NO propagation on 6M. 100D puts out full 100W on this band 6M M2 yagi is connected to Antenna 3.

Microphone being used is a Chinese computer desktop connected to the front of the computer (enabling in Recording Devices Front Mic) and selecting as input device on VAC settings. PTT is activated pressing/releasing spacebar of keyboard and deactivating in the same manner.

IMPORTANT: Computer and Radio Power Supply (providing 14.1 VDC at rest) are both connected to the same UPS 115 Volt AC for common grounding. Radio is connected to computer gigabit Ethernet port via Netgear Prosafe 5 port Gigabit switch. Radio currently running at 10/100T base.

Using latest version of openHPSDR's PowerSDRmRX, which runs without glitches, significantly different but somewhat familiar with Flex-Radio PowerSDR that I use on my Flex 5000A.

On a couple of instances I needed the advise of Ken Hopper N9VV, Customer Support for Apache-Labs in the U.S. and I received such advise promptly and professionally.

I have also spent hours playing with DL3HVH's CuSDR Open Source software still under development. The software functions only on RX mode at his time. But, is very User friendly and very advanced. When fully functioning in both TX and RX it promises to appeal to many new Users of SDR. We have published several photos of its display.

As I am only a non technical User of these radios, I have only tried to give the Members of this User's Discussion Group my initial impressions of the Radio I just purchased and received from India.

Guys, the Apache-Labs ANAN-100D so far is a TEN!

With my kindest regards, 73

Juan /K4LCD - WF2XXQ

402. Re: My initial User's impressions of my new Apache-Labs ANAN-100D.

Yahoo group: sdr-users
Date: 2013-06-30 11:50:33 UTC
From: Andrew O'Brien
Topic: 401 Message: 402

Are you able to get TWO 192 kHz displays?

Andy K3UK

403. SAQ transmission of today June 30th, 12:00 UTC

Yahoo group: sdr-users
Date: 2013-06-30 13:29:04 UTC
From: Alberto I2PHD
Topic: 403 Message: 403

The SAQ transmission of June 30th 2013, 12:00 UTC, was received with
an SDR receiver that does not make use of a PC, being stand-alone.

Some details here : *http://tinyurl.com/q2e8cjv

*73 Alberto I2PHD

404. Re: My initial User's impressions of my new Apache-Labs ANAN-100D.

Yahoo group: sdr-users
Date: 2013-06-30 14:20:05 UTC
From: david
Topic: 401 Message: 404

Running PowerSDR mRX v3.1.5.0, RX1 can have a 1.1 Mhz display while RX2 displays 384 Khz. With this configuration the ethernet traffic is >90 Mb. This is with with a Hermes board with one ADC so both receivers share the same antenna. The Angelia board has two ADCs which allows RX2 to use a separate antenna.

Dave N8IT

--- In sdr-users@yahoogroups.com, "Andrew O'Brien" <k3ukandy@...> wrote:
>
> Are you able to get TWO 192 kHz displays?
>
> Andy K3UK
>

405. Re: [sdr-users] SAQ transmission of today June 30th, 12:00 UTC

Yahoo group: sdr-users
Date: 2013-06-30 15:24:01 UTC
From: Rick Simpson
Topic: 403 Message: 405

What is SAQ? What does the user interface look like if you do not use a PC?

Rick
K3IND

----- Original Message -----
From: Alberto I2PHD
To: sdr-users@yahoogroups.com
Sent: Sunday, June 30, 2013 9:29 AM
Subject: [sdr-users] SAQ transmission of today June 30th, 12:00 UTC

The SAQ transmission of June 30th 2013, 12:00 UTC, was received with
an SDR receiver that does not make use of a PC, being stand-alone.

Some details here : http://tinyurl.com/q2e8cjv

73 Alberto I2PHD

406. AW: [sdr-users] SAQ transmission of today June 30th, 12:00 UTC

Yahoo group: sdr-users
Date: 2013-06-30 15:34:18 UTC
From: siegfried jackstien
Topic: 403 Message: 406

http://en.wikipedia.org/wiki/Varberg_Radio_Station

http://dl1dbc.net/SAQ/

dg9bfc

sigi

> -----Ursprüngliche Nachricht-----
> Von: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] Im
> Auftrag von Rick Simpson
> Gesendet: Sonntag, 30. Juni 2013 15:24
> An: sdr-users@...m
> Betreff: Re: [sdr-users] SAQ transmission of today June 30th, 12:00 UTC
>
>
>
> What is SAQ? What does the user interface look like if you do not use a
> PC?
>
> Rick
> K3IND
>
>
>
> ----- Original Message -----
> From: Alberto I2PHD <mailto:i2phd@...>
> To: sdr-users@yahoogroups.com
> Sent: Sunday, June 30, 2013 9:29 AM
> Subject: [sdr-users] SAQ transmission of today June 30th, 12:00 UTC
>
>
>
> The SAQ transmission of June 30th 2013, 12:00 UTC, was received with
> an SDR receiver that does not make use of a PC, being stand-alone.
>
> Some details here : http://tinyurl.com/q2e8cjv
>
> 73 Alberto I2PHD
>
>
>
>
>

407. Re: [sdr-users] SAQ transmission of today June 30th, 12:00 UTC

Yahoo group: sdr-users
Date: 2013-06-30 15:50:39 UTC
From: Rick Simpson
Topic: 403 Message: 407

Thank you for the prompt reply. A fascinating bit of radio lore. I had never heard of it.

Rick

----- Original Message -----
From: siegfried jackstien
To: sdr-users@yahoogroups.com
Sent: Sunday, June 30, 2013 11:34 AM
Subject: AW: [sdr-users] SAQ transmission of today June 30th, 12:00 UTC

http://en.wikipedia.org/wiki/Varberg_Radio_Station

http://dl1dbc.net/SAQ/

dg9bfc

sigi

> -----Ursprüngliche Nachricht-----
> Von: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] Im
> Auftrag von Rick Simpson
> Gesendet: Sonntag, 30. Juni 2013 15:24
> An: sdr-users@yahoogroups.com
> Betreff: Re: [sdr-users] SAQ transmission of today June 30th, 12:00 UTC
>
>
>
> What is SAQ? What does the user interface look like if you do not use a
> PC?
>
> Rick
> K3IND
>
>
>
> ----- Original Message -----
> From: Alberto I2PHD <mailto:i2phd@...>
> To: sdr-users@yahoogroups.com
> Sent: Sunday, June 30, 2013 9:29 AM
> Subject: [sdr-users] SAQ transmission of today June 30th, 12:00 UTC
>
>
>
> The SAQ transmission of June 30th 2013, 12:00 UTC, was received with
> an SDR receiver that does not make use of a PC, being stand-alone.
>
> Some details here : http://tinyurl.com/q2e8cjv

>
> 73 Alberto I2PHD
>
>
>
>
>

408. Re: SAQ transmission of today June 30th, 12:00 UTC

Yahoo group: sdr-users
Date: 2013-07-01 14:34:54 UTC
From: jabauzit
Topic: 403 Message: 408

--- In sdr-users@yahoogroups.com, Alberto I2PHD <i2phd@...> wrote:
>
> The SAQ transmission of June 30th 2013, 12:00 UTC, was received with
> an SDR receiver that does not make use of a PC, being stand-alone.
>
> Some details here : *http://tinyurl.com/q2e8cjv
>
Hi Alberto,
It looks great. Is there more details about it or is this a prototype of a recently released SDR which does not use a PC?

Jean-Claude PJ2BVU

409. Re: SAQ transmission of today June 30th, 12:00 UTC

Yahoo group: sdr-users
Date: 2013-07-01 15:59:45 UTC
From: Alberto I2PHD
Topic: 403 Message: 409

On 7/1/2013 4:34 PM, jabauzit wrote:

> /Hi Alberto,//
> //It looks great. Is there more details about it or is this a prototype //
> //of a recently released SDR which does not use a PC?/

Jean-Claude,

you guessed correctly. It is the prototype on which it was (and still is)
developed the software for the FDM-DUO transceiver from Elad.

In due time I will develop a version that uses the ADC on-board of the STM32F4
ARM chip, sampling at 1.5 MHz, and this could be used as a stand-alone
VLF/LF receiver. I will release the ARM source code of this version.

--
/*73 Alberto I2PHD*/

410. Fwd: [sdr-users] Link added to: WA2WVL new high performance HF WIRE antenna designs.

Yahoo group: sdr-users
Date: 2013-07-01 20:42:02 UTC
From: OB O'Brien
Topic: 410 Message: 410

Hi Juan: Where is the link to the new hi performance antenna designs?
Thanks OB
W4HXJ

Begin forwarded message:

> From: "sdr.users" <sdr.users@yahoo.com>
> Subject: [sdr-users] Link added to: WA2WVL new high performance HF WIRE antenna designs.
> Date: June 29, 2013 9:43:42 PM GMT
> To: sdr-users@yahoogroups.com
> Reply-To: sdr-users@yahoogroups.com
>
> Hi friends!
>
> Please visit our Link section.
>
> Enjoy.
>
> Regards and 73
>
> Juan /K4LCD
>
>

411. Re: [sdr-users] Re: SAQ transmission of today June 30th, 12:00 UTC

Yahoo group: sdr-users
Date: 2013-07-02 07:42:39 UTC
From: XV4Y (Yan)
Topic: 403 Message: 411

Hi Alberto,

Great work indeed and great forthcoming product that the FDM-DUO.

I ordered a Texas Instruments Stellaris LaunchPad a few months ago when it was at 5USD.
It also sports a Cortex M4F core with 12bits / 1 MSPS ADCs.
I was thinking in using it as a standalone wide AF spectrum scope or perhaps I/Q decoding but I was concerned by the reduced dynamic range.
I know ARM has published some FFT and "DSP" libraries but I have not dug the subject for now.
Unfortunately, I have been caught by many other works and this is still a project...

Just a few questions :
- Did you developed your own I/Q code or used a third party library ?
- Are you using integer maths or the floating point features or the Cortex M4 ?

73,
Yan.

Yannick DEVOS - XV4Y
http://xv4y.radioclub.asia/
http://varc.radioclub.asia/

Le 1 juil. 2013 à 22:59, Alberto I2PHD a écrit :

>
> On 7/1/2013 4:34 PM, jabauzit wrote:
>
>> Hi Alberto,
>> It looks great. Is there more details about it or is this a prototype
>> of a recently released SDR which does not use a PC?
>
> Jean-Claude,
>
> you guessed correctly. It is the prototype on which it was (and still is)
> developed the software for the FDM-DUO transceiver from Elad.
>
> In due time I will develop a version that uses the ADC on-board of the STM32F4
> ARM chip, sampling at 1.5 MHz, and this could be used as a stand-alone
> VLF/LF receiver. I will release the ARM source code of this version.
>
> --
> 73 Alberto I2PHD
>
>

412. Announcement that Apache Labs Products CE and RTTE Certified.

Yahoo group: sdr-users
Date: 2013-07-02 12:42:36 UTC
From: sdr.users
Topic: 412 Message: 412

Dear friends,

Just learned from a corporate announcement, that the line of Apache Labs HF and 6M ANAN 10, 100 and 100D transceivers have been awarded CE and RTTE certification as per EU trade directives. They are also RoHS compliant.

Best regards and 73

Juan /K4LCD

413. RE: [sdr-users] Announcement that Apache Labs Products CE and RTTE Certified.

Yahoo group: sdr-users
Date: 2013-07-02 12:51:49 UTC
From: Jeff Cook
Topic: 412 Message: 413

Well done to all concerned, these must be decent pieces of kit.

Jeff, G0AFQ.

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of sdr.users
Sent: 02 July 2013 13:43
To: sdr-users@yahoogroups.com
Subject: [sdr-users] Announcement that Apache Labs Products CE and RTTE Certified.

Dear friends,

Just learned from a corporate announcement, that the line of Apache Labs HF and 6M ANAN 10, 100 and 100D transceivers have been awarded CE and RTTE certification as per EU trade directives. They are also RoHS compliant.

Best regards and 73

Juan /K4LCD

414. Re: SAQ transmission of today June 30th, 12:00 UTC

Yahoo group: sdr-users
Date: 2013-07-02 16:27:30 UTC
From: Alberto I2PHD
Topic: 403 Message: 414

On 7/2/2013 9:42 AM, XV4Y (Yan) wrote:

> /I ordered a Texas Instruments Stellaris LaunchPad a few months ago when it was at 5USD./
> /It also sports a Cortex M4F core with 12bits / 1 MSPS ADCs./
> /I was thinking in using it as a standalone wide AF spectrum scope or perhaps I/Q decoding but I was concerned by the
> reduced dynamic range./
> /I know ARM has published some FFT and "DSP" libraries but I have not dug the subject for now./
> /Unfortunately, I have been caught by many other works and this is still a project.../
> /
> /
> /Just a few questions :/
> /- Did you developed your own I/Q code or used a third party library ?/
> /- Are you using integer maths or the floating point features or the Cortex M4 ?/
> /
> /
> /
> 73,
> Yan.
> ---
> /
/
/Hi Yan,

as a matter of facts, I too started playing with the Stellaris Launchpad from TI a few months ago.
Then a friend told me about the STM32F4 Discovery board, which looked more powerful, and I used it
to develop and debug my code.

I used almost exclusively the floating point feature of the Cortex M4. For this I must thank the book of
Richard Lyons where I learned how to code a CIC filter that does not make use of an integrator (so maybe
the name CIC is not entirely correct, even if the two implementations are perfectly equivalent).
The standard CIC with an integrator cannot be coded in floating point, due to overflow problems,
which can be bypassed only if you work in complement-2 integer arithmetic.

I developed my own mathematical routines, except for the radix-4 FFT, which I found conveniently
already coded in the CMSIS library. No need to reinvent the wheel... the DSP algorithms are a porting
of what I developed years ago in my program Winrad, now released as open source.

```
--
/*73 Alberto I2PHD*/
```

415. 12-bit vs 16-bit SDR?

Yahoo group: sdr-users
Date: 2013-07-03 03:34:56 UTC
From: vasiliy_k3it
Topic: 415 Message: 415

I'm now a happy owner of two drastically different direct sampling SDRs,
a 12-bit Afedri (aka the poor's man DDC), and 16-bit Linear 2208
flagship ADC based Hermes. I'm trying to understand what ADC bit
resolution means in practical terms.
I hooked up both receivers to the same antenna, same software (HDSDR),
set the same bandwidth (384k) and the same LO and took a couple of
screen shots of the spectrum and waterfall.
Here they are:
Compact view spectrum only: http://goo.gl/CzMnVLarge view
spectrum+waterfall: http://goo.gl/4faEf
(warning the second picture is very large, two 24" monitor screenshots
side by side)
My guess is that the 16bit Hermes should be "better". It has at least
four extra bits of resolution than afedri (more if you count effective
bits) .
But how can I see or hear these extra bits? Can anybody recognize
which receiver is which on the screen shots?
still learning.. :)

73-- Vasiliy K3IT

416. Re: [sdr-users] 12-bit vs 16-bit SDR?

Yahoo group: sdr-users
Date: 2013-07-03 04:02:59 UTC
From: <wb4jfi@...>
Topic: 415 Message: 416

Hey Vasiliy.
If I had to guess, I would say the bottom display is the Hermes, and the top one is the AFEDRI. But, I could be wrong! I hate 50/50 questions, I ALWAYS get them backwards!

Neither spectrum shows very strong signals, which is where the added dynamic range of the Hermes 16-bit A/D would show its worth. I'm seeing about a 60dB range between the grass and the strongest signal, at about 7210kHz.

I have played a lot with a similar AFEDRI design, the Charleston Receiver, designed by Dr. John Schwacke, here in Charleston. It is also a DDC-design based on the AFEDRI8201, and a Digilent Nexys2 FPGA board. AMRAD in DC made several of these boards as well. It looks very fine, until the rather strong signals show up, and start swamping it. A low-pass filter helps some, but it's hard to filter out the high-power broadcasters just below and above the 40M band. That's where Hermes will show the difference.

With the Charleston receiver, I could turn up the gain of the VGA (preamp), and see really weak signals nicely, until other, much larger signals showed up at the antenna input.

Were these spectrum shots taken late at night, with the huge broadcasters on? Try waiting for that big broadcast signal just above 40M to get going, and see what happens.

It's all about dynamic range. As long as you don't exceed the maximum signal input to the A/D, you can turn the gain up, and hear very weak signals. But with 12-bits (plus the processing gain), your dynamic range is not as good as with 16-bits, and even more processing gain.

Joseph Mitola III (some say the "father" of SDR) suggests that you really need about 130dB of dynamic range on HF, especially considering electrical storms. A 12-bit A/D should give you a little less than 72dB, before processing gain. A 16-bit A/D should give you a little less than 96dB. The rule of thumb on processing gain is that you gain approx. 6dB, or one A/D bit, for every factor of four in decimation.

I think all the above is correct, it's from my faulty memory...
Does that help?
73, Terry, WB4JFI

From: vasiliy_k3it
Sent: Tuesday, July 02, 2013 11:34 PM
To: sdr-users@yahoogroups.com
Subject: [sdr-users] 12-bit vs 16-bit SDR?

I'm now a happy owner of two drastically different direct sampling SDRs, a 12-bit Afedri (aka the poor's man DDC), and 16-bit Linear 2208 flagship ADC based Hermes. I'm trying to understand what ADC bit resolution means in practical terms.

I hooked up both receivers to the same antenna, same software (HDSDR), set the same bandwidth (384k) and the same LO and took a couple of screen shots of the spectrum and

waterfall.

Here they are:

Compact view spectrum only: http://goo.gl/CzMnV
Large view spectrum+waterfall: http://goo.gl/4faEf

(warning the second picture is very large, two 24" monitor screenshots side by side)

My guess is that the 16bit Hermes should be "better". It has at least four extra bits of resolution than afedri (more if you count effective bits) .

But how can I see or hear these extra bits? Can anybody recognize which receiver is which on the screen shots?

still learning.. :)

73
--
Vasiliy K3IT

417. Re: 12-bit vs 16-bit SDR?

Yahoo group: sdr-users
Date: 2013-07-03 04:22:49 UTC
From: vasiliy_k3it
Topic: 415 Message: 417

Terry,

yes the bottom one is the Hermes! The only way I can tell is by the faster filter roll off on the Afedri.

Thanks for the explanation. This was taken midday here on the East coast, not a good time for strong signals. I will try again and look for (or create) strong interference.

So far I could not get either of these SDRs to overload unless I crank up gain on the Afedri VGA.

At some point I expect the Afedri spectrum to show intermod products and lose weak signals while Hermes is running circles around it :) Will keep looking. I will post another screen shot if I find those conditions.

73
Vasiliy

--- In sdr-users@yahoogroups.com, <wb4jfi@...> wrote:
>
> Hey Vasiliy.
> If I had to guess, I would say the bottom display is the Hermes, and the top one is the AFEDRI. But, I could be wrong! I hate 50/50 questions, I ALWAYS get them backwards!
>
> Neither spectrum shows very strong signals, which is where the added dynamic range of the Hermes 16-bit A/D would show its worth. Iâ□□m seeing about a 60dB range between the grass and the strongest signal, at about 7210kHz.
>
> I have played a lot with a similar AFEDRI design, the Charleston Receiver, designed by Dr. John Schwacke, here in Charleston. It is also a DDC-design based on the AFEDRI8201, and a Digilent Nexys2 FPGA board. AMRAD in DC made several of these boards as well. It looks very fine, until the rather strong signals show up, and start swamping it. A low-pass filter helps some, but itâ□□s hard to filter out the high-power broadcasters just below and above the 40M band. Thatâ□□s where Hermes will show the difference.
>
> With the Charleston receiver, I could turn up the gain of the VGA (preamp), and see really weak signals nicely, until other, much larger signals showed up at the antenna input.
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> Were these spectrum shots taken late at night, with the huge broadcasters on? Try waiting for that big broadcast signal just above 40M to get going, and see what happens.
>
> Itâ□□s all about dynamic range. As long as you donâ□□t exceed the maximum signal input to the A/D, you can turn the gain up, and hear very weak signals. But with 12-bits (plus the processing gain), your dynamic range is not as good as with 16-bits, and even more processing gain.
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> Joseph Mitola III (some say the â□□fatherâ□□ of SDR) suggests that you really need about 130dB of dynamic range on HF, especially considering electrical storms. A 12-bit A/D should give you a little less than 72dB, before

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> I think all the above is correct, itâ☐☐s from my faulty memory...
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> From: vasiliy_k3it
> Sent: Tuesday, July 02, 2013 11:34 PM
> To: sdr-users@yahoogroups.com
> Subject: [sdr-users] 12-bit vs 16-bit SDR?
>
>
>
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> My guess is that the 16bit Hermes should be "better". It has at least four extra bits of resolution than afedri (more if you count effective bits) .
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> still learning.. :)
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>
> 73
> --
> Vasiliy K3IT
>

418. Re: [sdr-users] Re: 12-bit vs 16-bit SDR?

Yahoo group: sdr-users
Date: 2013-07-03 05:36:43 UTC
From: John Marvin
Topic: 415 Message: 418

Note that the Hermes has a 31db step attenuator placed before the A/D converter. If the software you are using supports it, you can set the attenuator in 1db steps. If the software was originally written for Mercury without any Hermes specific changes then you may only be able to choose either 0 db or 20 db attenuation. Do you know what level your attenuator is set to? The HPSDR version of PowerSDR has support for the Hermes attenuator once you click the right option in the setup menus.

I really like the attenuator resolution, since I only need about 4-5 db of attenuation during the day due to nearby AM broadcast stations. At night I don't need any attenuation. Some people have severe issues with broadcast station levels. They might be better off with a high pass filter rather than cranking the attenuator to a high level. The Rx half of HPSDR Alex is one option for such a filter (and both Alex boards can be integrated easily with Hermes).

73,
John
AC0ZG

On 7/2/2013 10:22 PM, vasiliy_k3it wrote:
>
> Terry,
>
> yes the bottom one is the Hermes! The only way I can tell is by the
> faster filter roll off on the Afedri.
>
> Thanks for the explanation. This was taken midday here on the East
> coast, not a good time for strong signals. I will try again and look
> for (or create) strong interference.
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> So far I could not get either of these SDRs to overload unless I crank
> up gain on the Afedri VGA.
>
> At some point I expect the Afedri spectrum to show intermod products
> and lose weak signals while Hermes is running circles around it :)
> Will keep looking. I will post another screen shot if I find those
> conditions.
>
> 73
> Vasiliy
>
> --- In sdr-users@yahoogroups.com <mailto:sdr-users%40yahoogroups.com>,
> <wb4jfi@...> wrote:
> >
> > Hey Vasiliy.

> > If I had to guess, I would say the bottom display is the Hermes, and
> the top one is the AFEDRI. But, I could be wrong! I hate 50/50
> questions, I ALWAYS get them backwards!
> >
> > Neither spectrum shows very strong signals, which is where the added
> dynamic range of the Hermes 16-bit A/D would show its worth.
> I?EUR^(TM)m seeing about a 60dB range between the grass and the
> strongest signal, at about 7210kHz.
> >
> > I have played a lot with a similar AFEDRI design, the Charleston
> Receiver, designed by Dr. John Schwacke, here in Charleston. It is
> also a DDC-design based on the AFEDRI8201, and a Digilent Nexys2 FPGA
> board. AMRAD in DC made several of these boards as well. It looks very
> fine, until the rather strong signals show up, and start swamping it.
> A low-pass filter helps some, but it?EUR^(TM)s hard to filter out the
> high-power broadcasters just below and above the 40M band.
> That?EUR^(TM)s where Hermes will show the difference.
> >
> > With the Charleston receiver, I could turn up the gain of the VGA
> (preamp), and see really weak signals nicely, until other, much larger
> signals showed up at the antenna input.
> >
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> broadcasters on? Try waiting for that big broadcast signal just above
> 40M to get going, and see what happens.
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> > It?EUR^(TM)s all about dynamic range. As long as you don?EUR^(TM)t
> exceed the maximum signal input to the A/D, you can turn the gain up,
> and hear very weak signals. But with 12-bits (plus the processing
> gain), your dynamic range is not as good as with 16-bits, and even
> more processing gain.
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> > Joseph Mitola III (some say the ?EURoefather?EUR? of SDR) suggests
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> considering electrical storms. A 12-bit A/D should give you a little
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> >
> >
> >
> > From: vasiliy_k3it
> > Sent: Tuesday, July 02, 2013 11:34 PM
> > To: sdr-users@yahoogroups.com <mailto:sdr-users%40yahoogroups.com>

> > Subject: [sdr-users] 12-bit vs 16-bit SDR?
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> > I'm now a happy owner of two drastically different direct sampling
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> > 73
> > --
> > Vasiliy K3IT
> >
>
>

419. Re: [sdr-users] Re: 12-bit vs 16-bit SDR?

Yahoo group: sdr-users
Date: 2013-07-03 07:22:28 UTC
From: XV4Y (Yan)
Topic: 415 Message: 419

Hi,

Yes the sampling resolution will primarily affect the dynamic range. That means the ability to receive both weak and strong signals at the same time.
Receiving strong OR weak signals can be achieved thanks to a right set of preamp / attenuator or an AGC circuit,.
That's why DVB-T receivers are happy with 8-bit resolution, but they expect the signals to be in a known range (indoor antenna or outdoor but with a lot of coax).

The sampling resolution will also affect the Quantization Noise.
http://en.wikipedia.org/wiki/Quantization_(signal_processing)#Quantization_noise_model
Quantization Noise can be improved with a specialized profile for your ADC like with Delta-Sigma modulation.

Trying to keep your signal at the optimized level (close to max but keeping overhead) also helps to reduce the quantization noise.
Because when you receive a weak signal with a 16 bits ADC in fact you're not using the whole resolution but perhaps only 1/4 of it, then increasing errors and noise.
That's why even if they use 24-bits ADC, all commercial radios from Kenwood, Icom, Yaesu also use a complex attenuator/preamp/AGC circuitry.

73,
Yan.

Yannick DEVOS - XV4Y
http://xv4y.radioclub.asia/
http://varc.radioclub.asia/

Le 3 juil. 2013 à 12:36, John Marvin a écrit :

>
> Note that the Hermes has a 31db step attenuator placed before the A/D converter. If the software you are using supports it, you can set the attenuator in 1db steps. If the software was originally written for Mercury without any Hermes specific changes then you may only be able to choose either 0 db or 20 db attenuation. Do you know what level your attenuator is set to? The HPSDR version of PowerSDR has support for the Hermes attenuator once you click the right option in the setup menus.
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> 73,
> John
> AC0ZG
>

> On 7/2/2013 10:22 PM, vasiliy_k3it wrote:
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>> Terry,
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>> At some point I expect the Afedri spectrum to show intermod products and lose weak signals while Hermes is running circles around it :) Will keep looking. I will post another screen shot if I find those conditions.
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>> --- In sdr-users@yahoogroups.com, <wb4jfi@...> wrote:
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>> > I think all the above is correct, itâ€™s from my faulty memory...

>> > Does that help?
>> > 73, Terry, WB4JFI
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>> >
>> >
>> > From: vasiliy_k3it
>> > Sent: Tuesday, July 02, 2013 11:34 PM
>> > To: sdr-users@yahoogroups.com
>> > Subject: [sdr-users] 12-bit vs 16-bit SDR?
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>> > 73
>> > --
>> > Vasiliy K3IT
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>>
>
>
>

420. Re: [sdr-users] Re: SAQ transmission of today June 30th, 12:00 UTC

Yahoo group: sdr-users
Date: 2013-07-03 08:43:08 UTC
From: XV4Y
Topic: 403 Message: 420

Alberto,

Thanks for all the details.

Yes I know the Stellaris has limited SRAM and computing power could also limit the processing for filters or demodulation.
That's why I was thinking more of some kind of "cheap" panadapter for a SoftRock front-end with low resolution.

I have an engineer background so I understand the maths and I know programming (but I am not good at it thought).
However, I miss the coding knowledge.
I will try to find the book your talking about and perhaps ask my parents to bring it the next time they come to Vietnam.

73,
Yan.

Yannick DEVOS - XV4Y
New online shop for kits and more
http://xv4y.radioclub.asia/boutique/

Le 2 juil. 2013 à 23:27, Alberto I2PHD a écrit :
>
>
> as a matter of facts, I too started playing with the Stellaris Launchpad from TI a few months ago.
> Then a friend told me about the STM32F4 Discovery board, which looked more powerful, and I used it
> to develop and debug my code.
>
> I used almost exclusively the floating point feature of the Cortex M4. For this I must thank the book of
> Richard Lyons where I learned how to code a CIC filter that does not make use of an integrator (so maybe
> the name CIC is not entirely correct, even if the two implementations are perfectly equivalent).
> The standard CIC with an integrator cannot be coded in floating point, due to overflow problems,
> which can be bypassed only if you work in complement-2 integer arithmetic.
>
> I developed my own mathematical routines, except for the radix-4 FFT, which I found conveniently
> already coded in the CMSIS library. No need to reinvent the wheel... the DSP algorithms are a porting
> of what I developed years ago in my program Winrad, now released as open source.

>
> --
> 73 Alberto I2PHD
>
>

421. AW: [sdr-users] 12-bit vs 16-bit SDR?

Yahoo group: sdr-users
Date: 2013-07-03 10:04:46 UTC
From: siegfried jackstien
Topic: 415 Message: 421

Hermes is the lower i would guess

Strong stations look the same ... faint signal are a bit stronger on the lower display

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] Im
> Auftrag von vasiliy_k3it
> Gesendet: Mittwoch, 3. Juli 2013 03:35
> An: sdr-users@yahoogroups.com
> Betreff: [sdr-users] 12-bit vs 16-bit SDR?
>
>
>
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> But how can I see or hear these extra bits? Can anybody recognize which
> receiver is which on the screen shots?
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> still learning.. :)
>
>
> 73

> --
> Vasiliy K3IT
>
>

422. Re: 12-bit vs 16-bit SDR?

Yahoo group: sdr-users
Date: 2013-07-03 12:43:14 UTC
From: vasiliy_k3it
Topic: 415 Message: 422

Hermes is the lower spectrum. S/N looks better on the Afedri for strong signals but worse for ones near the noise floor. Very interesting!

Hermes attenuator was set to 0 db, dither and random enabled. Afedri VGA was set to +17 db (in reality 35 db fixed gain amp with 18db attenuator).

--- In sdr-users@yahoogroups.com, "siegfried jackstien" <siegfried.jackstien@...> wrote:
>
> Hermes is the lower i would guess
>
> Strong stations look the same ... faint signal are a bit stronger on the
> lower display
>
> Dg9bfc
>
> Sigi
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> > -----Ursprüngliche Nachricht-----
> > Von: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] Im
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> > Gesendet: Mittwoch, 3. Juli 2013 03:35
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> > 73
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> > Vasiliy K3IT
> >
> >
>

423. CIC Filters vs FIR Half Bandwidth

Yahoo group: sdr-users
Date: 2013-07-03 12:57:03 UTC
From: Simon GD4ELI/HB9DRV
Topic: 423 Message: 423

So,

With 20MHz span to be seen from the bladeRF and (maybe) 50MHz from other SDR radios in 2013/2014 I am having to think about decimation.

Can I get similar response from a CIC as from a FIR with 19 or more taps? I would be looking getting at least 1/8th decimation with CIC if possible, bring 20MHz down to 2.5MHz etc. I can't find any really conclusive information out there on the internet. Has anyone used CIC on a PC and actually looked at the response?

Massive FFT can, of course be handled with OpenCL.

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

424. Re: SAQ transmission of today June 30th, 12:00 UTC

Yahoo group: sdr-users
Date: 2013-07-03 13:40:44 UTC
From: Alberto I2PHD
Topic: 403 Message: 424

On 7/3/2013 10:43 AM, XV4Y wrote:

> /I will try to find the book your talking about and perhaps ask my//
> //parents to bring it the next time they come to Vietnam./

The book is this one :

<
http://www.amazon.com/Understanding-Digital-Signal-Processing-Edition/dp/0137027419/ref=tmm_hrd_title_0
/>

and I strongly recommend it to everybody who wants to start coding for SDR.
It is really a mine of good information.

--
/*73 Alberto I2PHD*/

425. Re: [sdr-users] CIC Filters vs FIR Half Bandwidth

Yahoo group: sdr-users
Date: 2013-07-03 13:49:30 UTC
From: Alberto I2PHD
Topic: 423 Message: 425

On 7/3/2013 2:57 PM, Simon GD4ELI/HB9DRV wrote:

> /Can I get similar response from a CIC as from a FIR with 19 or more taps? I would be looking getting at least
> 1/8//^th //decimation with CIC if possible, bring 20MHz down to 2.5MHz etc. I can?t find any really conclusive
> information out there on the internet. Has anyone used CIC on a PC and actually looked at the response?///
>

Simon,

get hold of a copy of Matlab complete with the Signal Processing Toolbox and play with it.
It will show everything (and more...) you want to know about filtering.
With it you can see the magnitude and phase response of whatever filter you can conceive.
Without it, I would have had difficult times in coding my filters...

In any case a 19-tap FIR seems to be on the low side for an anti alias filter for an 8 to 1 decimation...

--
/*73 Alberto I2PHD*/

426. Re: [sdr-users] Re: SAQ transmission of today June 30th, 12:00 UTC

Yahoo group: sdr-users
Date: 2013-07-03 14:08:47 UTC
From: James Austin
Topic: 403 Message: 426

Outstanding book, DSP is a lot of math and that book explains it very
clearly and doesn't go overboard like most other textbooks do.

It is also available from Safari Books if you subscribe to that service,
then you can read it from your web browser.

http://www.safaribooksonline.com/

Jim KA2RVO

On Wed, Jul 3, 2013 at 9:40 AM, Alberto I2PHD <i2phd@...> wrote:

> **
>
>
> On 7/3/2013 10:43 AM, XV4Y wrote:
>
> *I will try to find the book your talking about and perhaps ask my ****parents to bring
it the next time they come to Vietnam.*
>
>
> The book is this one :
>
> <
>
> http://www.amazon.com/Understanding-Digital-Signal-Processing-Edition/dp/0137027419/ref=
tmm_hrd_title_0
> />
>
> and I strongly recommend it to everybody who wants to start coding for SDR.
> It is really a mine of good information.
>
> --
> *73 Alberto I2PHD*
>
>
>

427. RE: [sdr-users] CIC Filters vs FIR Half Bandwidth

Yahoo group: sdr-users
Date: 2013-07-03 15:29:36 UTC
From: Simon GD4ELI/HB9DRV
Topic: 423 Message: 427

Hi Alberto,

I should have said 3 x 19 tap FIR filters.

I'm not sure I am rich enough to buy Matlab J !

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of Alberto I2PHD
Sent: 03 July 2013 15:50
To: sdr-users@yahoogroups.com
Subject: Re: [sdr-users] CIC Filters vs FIR Half Bandwidth

On 7/3/2013 2:57 PM, Simon GD4ELI/HB9DRV wrote:

Can I get similar response from a CIC as from a FIR with 19 or more taps? I would be looking getting at least 1/8th decimation with CIC if possible, bring 20MHz down to 2.5MHz etc. I can't find any really conclusive information out there on the internet. Has anyone used CIC on a PC and actually looked at the response?

Simon,

get hold of a copy of Matlab complete with the Signal Processing Toolbox and play with it.
It will show everything (and more...) you want to know about filtering.
With it you can see the magnitude and phase response of whatever filter you can conceive.
Without it, I would have had difficult times in coding my filters...

In any case a 19-tap FIR seems to be on the low side for an anti alias filter for an 8 to 1 decimation...

--
73 Alberto I2PHD

428. Re: [sdr-users] CIC Filters vs FIR Half Bandwidth

Yahoo group: sdr-users
Date: 2013-07-03 15:33:37 UTC
From: J CLARK
Topic: 423 Message: 428

Try Scicoslab/Scicos with the Modnum Toolbox. It's open source and free!
Jeremy VE3PKC
www.scicos.org

From: Simon GD4ELI/HB9DRV <simon@...>
To: sdr-users@yahoogroups.com
Sent: Wednesday, July 3, 2013 11:29:36 AM
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73 Alberto I2PHD

429. Re: CIC Filters vs FIR Half Bandwidth

Yahoo group: sdr-users
Date: 2013-07-03 16:23:21 UTC
From: vasiliy_k3it
Topic: 423 Message: 429

GNU Radio is very good and relatively easy to use for testing various processing scenarios. Gnu Radio Companion (GRC) allows to model the entire SDR processing chain without writing a single line of code

--- In sdr-users@yahoogroups.com, J CLARK <clarkj@...> wrote:
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> 73 Alberto I2PHD
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430. Studio1, HDSDR with Anan/Hermes SDR

Yahoo group: sdr-users
Date: 2013-07-03 16:40:00 UTC
From: rv3apm1
Topic: 430 Message: 430

Thanks Andrea
http://lists.openhpsdr.org/pipermail/hpsdr-openhpsdr.org/2013-July/020860.html

now Studio1, HDSDR work with Anan/Hermes SDR!

73!
Serge

431. RE: [sdr-users] Re: CIC Filters vs FIR Half Bandwidth

Yahoo group: sdr-users
Date: 2013-07-03 16:46:48 UTC
From: Simon GD4ELI/HB9DRV
Topic: 423 Message: 431

Hi,

Have you compared CIC with FIR?

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of vasiliy_k3it
Sent: 03 July 2013 18:23
To: sdr-users@yahoogroups.com
Subject: [sdr-users] Re: CIC Filters vs FIR Half Bandwidth

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432. Re: CIC Filters vs FIR Half Bandwidth

Yahoo group: sdr-users
Date: 2013-07-03 17:32:13 UTC
From: vasiliy_k3it
Topic: 423 Message: 432

Simon

I haven't, or I would have answered your question instead of trying to be smart :)

Looking at how Burr Brown did this on their chip, they used both types. There must be a reason why they put CIC followed by two FIR filters with 64 and 250 taps... May be the same arrangement will work well if done on the PC?

" The quadrature mixer generates I and Q
signals, each of which are decimated by the CIC filter. The CIC is a 5th-order Comb filter with a decimation factor that is
programmable over a range of 8 to 1024. Each of the FIR filters adds an additional decimation factor of 2, for a total range of
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433. RE: [sdr-users] Re: CIC Filters vs. FIR Half Bandwidth

Yahoo group: sdr-users
Date: 2013-07-03 17:40:02 UTC
From: Simon GD4ELI/HB9DRV
Topic: 433 Message: 433

Hi,

CIC at the higher level makes sense, afterwards I think you must use a good FIR with more taps as you get closer to the final fractional decimator.

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of vasiliy_k3it
Sent: 03 July 2013 19:32
To: sdr-users@yahoogroups.com
Subject: [sdr-users] Re: CIC Filters vs FIR Half Bandwidth

Simon

I haven't, or I would have answered your question instead of trying to be smart :)

Looking at how Burr Brown did this on their chip, they used both types. There must be a reason why they put CIC followed by two FIR filters with 64 and 250 taps... May be the same arrangement will work well if done on the PC?

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434. Re: CIC Filters vs FIR Half Bandwidth

Yahoo group: sdr-users
Date: 2013-07-03 17:59:52 UTC
From: Alberto I2PHD
Topic: 423 Message: 434

On 7/3/2013 6:46 PM, Simon GD4ELI/HB9DRV wrote:

> /Have you compared CIC with FIR?/

They are two completely different beasts... that must be used according to their characteristics.

The following two images are taken from a presentation I am preparing for an upcoming meeting, where
I will talk about a possible implementation of a VLF/LF receiver on an ARM chip.

The first image shows the response, computed with Matlab (an old version, bought second hand cheaply
from a firm that did an upgrade to a more recent version...), of a CIC filter that performs the first
downsampling after the ADC.

https://dl.dropboxusercontent.com/u/15089947/CIC1%2BCIC2.gif

In this second screen capture the response of a FIR filter is shown, which follows the CIC and performs the anti alias
before
a final decimation by 3.
It is just a first attempt... the stop band rejection of 60dB does not satisfy me, so this filter probably will not be
used.

https://dl.dropboxusercontent.com/u/15089947/CICcomp.gif

This FIR filter incorporates the so-called inverse sinc-compensation, to compensate for the droop in the passband
of the CIC filter, even if, as shown in the first capture, it is negligible for our purposes.

--
/*73 Alberto I2PHD

*/

435. Re: [sdr-users] Re: CIC Filters vs FIR Half Bandwidth

Yahoo group: sdr-users
Date: 2013-07-03 18:12:31 UTC
From: <wb4jfi@...>
Topic: 423 Message: 435

A CIC filter does not have a flat response, it rolls off. What you usually do is apply an FIR filter after a CIC, where the FIR has the opposite (peaking) response such that the combination of both filters provides a more-or-less flat response over the overall filter combination. A second FIR is usually applied after the first, which provides the normal low-pass function. That’s what I remember about the AFEDRI8201 design as well. It has the frequency downconverter, followed by a CIC, followed by a larger tap FIR, then a simpler FIR.

At least that’s what I remember from my FPGA and AFEDRI8201 work a few years back. There are several articles on CIC implementations on the web, look at Embedded.com and an IEEE article by a Mr. Donadio, I think. You can also look at CIC documentation from Xilinx and Altera regarding their free IP CIC filters.
73, Terry, WB4JFI

From: vasiliy_k3it
Sent: Wednesday, July 03, 2013 1:32 PM
To: sdr-users@yahoogroups.com
Subject: [sdr-users] Re: CIC Filters vs FIR Half Bandwidth

Simon

I haven't, or I would have answered your question instead of trying to be smart :)

Looking at how Burr Brown did this on their chip, they used both types. There must be a reason why they put CIC followed by two FIR filters with 64 and 250 taps... May be the same arrangement will work well if done on the PC?

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436. Re: [sdr-users] Re: CIC Filters vs. FIR Half Bandwidth

Yahoo group: sdr-users
Date: 2013-07-03 21:27:03 UTC
From: Leif Asbrink
Topic: 433 Message: 436

Hi Simon,

Simple IIR filters are far more powerful than FIR filters
for the early stages of decimation.
http://www-users.cs.york.ac.uk/~fisher/mkfilter/trad.html

One might start with a sampling rate of 20 MHz and ask for
a bandwidth of 2 MHz. Then one can downsample by a factor of 4
to get 5 MHz sampling rate. At this lower speed one could
implement a better 2 MHz filter and downsample by two.

It is always better to do it in several smaller steps:-)

73

Leif

437. Re: CIC Filters vs FIR Half Bandwidth

Yahoo group: sdr-users
Date: 2013-07-03 22:06:52 UTC
From: rc143dr
Topic: 423 Message: 437

Hello All,

Generally a CIC is used because it involves no multiplication and is thus more computationally efficient. (It is equivalent, by the way to a boxcar filter which is a FIR implementation which produces the same exact response as a CIC. If you can find Fred Harris's chapter on CICs he has a really good write-up on this fact.)

In a DDC chip you need to handle very large amounts of data streaming quickly (basically you need to choke down the whole A to D stream at RF speed with minimal time/room for buffering) in the first stages of filtering and so CIC filters are often favored there to get the data rate down and to provide acceptable antialiasing protection.

In later stages, when the data rate has been reduced considerably due to prior decimation, FIR filters are used to correct the pass band droop caused by the CIC stages and to finish the last stages of filtering/decimation.

In relation to DDC chips, if you had a fast enough processor/FPGA, you could just as well use an FIR implementation and get away with it. Also with distributed arithmetic FIR implementations, you can streamline FIR filter to be a pure shift and add configuration with no multipliers. On top of this you can use polyphase decomposition to further gain a speed advantage in the implementation of FIR filters. (Richard Lyons DSP introduction and several pdf articles on the web detail some of these ideas.)

I would think all of these could be used to the same advantage on a PC in streamlining the filtering process. That is, of course, after we have a way of getting a 20MHz wide stream into the PC. Flex-Radio offloaded the heavy DSP to a powerful/fast FPGA in their newest offerings (a very expensive FPGA ~$700 in small quantities) and the PC does very minimal DSP.

Hope this helps some. I realize it does not necessarily address the main concern, but hopefully gives some rational/background to it all.

73,

Roger (AE3RT)

--- In sdr-users@yahoogroups.com, "vasiliy_k3it" <uncle_ziba@...> wrote:
>
> Simon
>
> I haven't, or I would have answered your question instead of trying to be smart :)
>
> Looking at how Burr Brown did this on their chip, they used both types. There must be a reason why they put CIC followed by two FIR filters with 64 and 250 taps... May be the same arrangement will work well if done on the PC?
>
> " The quadrature mixer generates I and Q
> signals, each of which are decimated by the CIC filter. The CIC is a 5th-order Comb filter with a decimation factor that

is
> programmable over a range of 8 to 1024. Each of the FIR filters adds an additional decimation factor of 2, for a total range of
> 32 to 4096."
>
> --- In sdr-users@yahoogroups.com, "Simon GD4ELI/HB9DRV" <simon@> wrote:
> >
> > Hi,
> >
> >
> >
> > Have you compared CIC with FIR?
> >
> >
> >
> > Simon GD4ELI/HB9DRV
> >
> > http://v2.sdr-radio.com/
> >
> >
> >
> > From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of vasiliy_k3it
> > Sent: 03 July 2013 18:23
> > To: sdr-users@yahoogroups.com
> > Subject: [sdr-users] Re: CIC Filters vs FIR Half Bandwidth
> >
> >
> >
> >
> >
> > GNU Radio is very good and relatively easy to use for testing various processing scenarios. Gnu Radio Companion (GRC) allows to model the entire SDR processing chain without writing a single line of code
> >
> > --- In sdr-users@yahoogroups.com <mailto:sdr-users%40yahoogroups.com> , J CLARK <clarkj@> wrote:
> > >
> > > Try Scicoslab/Scicos with the Modnum Toolbox. It's open source and free!
> > > Jeremy VE3PKC
> > > www.scicos.org
> > >
> > >
> > > _____
> > > From: Simon GD4ELI/HB9DRV <simon@>
> > > To: sdr-users@yahoogroups.com <mailto:sdr-users%40yahoogroups.com>
> > > Sent: Wednesday, July 3, 2013 11:29:36 AM
> > > Subject: RE: [sdr-users] CIC Filters vs FIR Half Bandwidth
> > >
> > > Ã□
> > >
> > > Hi Alberto,
> > > Ã□

> > > I should have said 3 x 19 tap FIR filtersÃ¢â□¬Â¦
> > > Ã□
> > > IÃ¢â□¬â□¢m not sure I am rich enough to buy Matlab J!
> > > Ã□
> > > Simon GD4ELI/HB9DRV
> > > http://v2.sdr-radio.com/
> > > Ã□
> > > From:sdr-users@yahoogroups.com <mailto:sdr-users%40yahoogroups.com>
[mailto:sdr-users@yahoogroups.com <mailto:sdr-users%40yahoogroups.com>] On Behalf Of Alberto I2PHD
> > > Sent: 03 July 2013 15:50
> > > To: sdr-users@yahoogroups.com <mailto:sdr-users%40yahoogroups.com>
> > > Subject: Re: [sdr-users] CIC Filters vs FIR Half Bandwidth
> > > Ã□
> > > Ã□
> > > On 7/3/2013 2:57 PM, Simon GD4ELI/HB9DRV wrote:
> > > Can I get similar response from a CIC as from a FIR with 19 or more taps? I would be looking getting at least 1/8th decimation with CIC if possible, bring 20MHz down to 2.5MHz etc. I canÃ¢â□¬â□¢t find any really conclusive information out there on the internet. Has anyone used CIC on a PC and actually looked at the response?
> > >
> > > Simon,
> > >
> > > Ã□ Ã□ get hold of a copy of Matlab complete with the Signal Processing Toolbox and play with it.
> > > It will show everything (and more...) you want to know about filtering.
> > > With it you can see the magnitude and phase response of whatever filter you can conceive.
> > > Without it, I would have had difficult times in coding my filters...
> > >
> > > In any case a 19-tap FIR seems to be on the low side for an anti alias filter for an 8 to 1 decimation...
> > > --
> > > 73 Alberto I2PHD
> > >
> >
>

438. Re: CIC Filters vs FIR Half Bandwidth

Yahoo group: sdr-users
Date: 2013-07-04 02:16:46 UTC
From: dennissheirer2002@...
Topic: 423 Message: 438

I have the same questions as Simon ... is there a general rule on when it's better to use a CIC to decimate versus cascaded half-band FIR filtering? Does it boil down to figuring out the processing costs involved in both to determine when it makes sense to use a CIC/FIR combo?

WRT IIR filters ... in Lyons' DSP book he mentions that IIR filters can induce phase distortions, complicating downstream processing if you're working with digital signals. Does that hold true when you're using them for decimation in a DDC application?

Denny

--- In sdr-users@yahoogroups.com, <wb4jfi@...> wrote:
>
> A CIC filter does not have a flat response, it rolls off. What you usually do is apply an FIR filter after a CIC, where the FIR has the opposite (peaking) response such that the combination of both filters provides a more-or-less flat response over the overall filter combination. A second FIR is usually applied after the first, which provides the normal low-pass function. Thatâ□□s what I remember about the AFEDRI8201 design as well. It has the frequency downconverter, followed by a CIC, followed by a larger tap FIR, then a simpler FIR.
>
> At least thatâ□□s what I remember from my FPGA and AFEDRI8201 work a few years back. There are several articles on CIC implementations on the web, look at Embedded.com and an IEEE article by a Mr. Donadio, I think. You can also look at CIC documentation from Xilinx and Altera regarding their free IP CIC filters.
> 73, Terry, WB4JFI

439. Re: [sdr-users] Re: CIC Filters vs. FIR Half Bandwidth

Yahoo group: sdr-users
Date: 2013-07-04 07:44:44 UTC
From: XV4Y (Yan)
Topic: 433 Message: 439

Hi,

Is that me or the "C code" generator on that page does not work...

73,
Yan.

Yannick DEVOS - XV4Y
http://xv4y.radioclub.asia/
http://varc.radioclub.asia/

Le 4 juil. 2013 à 04:27, Leif Asbrink a écrit :

> Hi Simon,
>
> Simple IIR filters are far more powerful than FIR filters
> for the early stages of decimation.
> http://www-users.cs.york.ac.uk/~fisher/mkfilter/trad.html
>
> One might start with a sampling rate of 20 MHz and ask for
> a bandwidth of 2 MHz. Then one can downsample by a factor of 4
> to get 5 MHz sampling rate. At this lower speed one could
> implement a better 2 MHz filter and downsample by two.
>
> It is always better to do it in several smaller steps:-)
>
> 73
>
> Leif
>
>

440. RE: [sdr-users] Re: CIC Filters vs. FIR Half Bandwidth

Yahoo group: sdr-users
Date: 2013-07-04 07:52:49 UTC
From: Simon GD4ELI/HB9DRV
Topic: 433 Message: 440

OK,

Here’s a better question: given a weak CPU, what’s the most cost-effective way of decimating without incurring significant signal degradation. How should CIC, IIR, FIR be used in this situation? I’m thinking along the lines of ATOM / Android tablet CPUs.

I have just tested my own code with an Ettus N210, 10MHz bandwidth, Stereo and RDS demodulation and I can get the whole thing running with 8% CPU, i7 930 @ 2.8GHz. Based on this I’ll be fine at 20 MHz from a bladeRF, but the search to save cycles should never end.

http://www.hb9drv.ch/tmp/Screenshot-2013-07-04-094214.png 8% CPU, 10MHz bandwidth, stereo + RDS (costs a lot of cycles), no shortcuts taken in coding, aim always for best quality in all processing stages.

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of dennissheirer2002@...

I have the same questions as Simon ... is there a general rule on when it's better to use a CIC to decimate versus cascaded half-band FIR filtering? Does it boil down to figuring out the processing costs involved in both to determine when it makes sense to use a CIC/FIR combo?

WRT IIR filters ... in Lyons' DSP book he mentions that IIR filters can induce phase distortions, complicating downstream processing if you're working with digital signals. Does that hold true when you're using them for decimation in a DDC application?

441. HAPPY FOURTH OF JULY!

Yahoo group: sdr-users
Date: 2013-07-04 09:08:50 UTC
From: sdr.users
Topic: 441 Message: 441

Good morning friends,

I wish all the American members of the SDR Radio User's Discussion Group a happy Fourth of July.

Sincerely and 73

Juan /K4LCD - WF2XXQ

442. Re: CIC Filters vs. FIR Half Bandwidth

Yahoo group: sdr-users
Date: 2013-07-04 11:13:05 UTC
From: Leif Asbrink
Topic: 433 Message: 442

Something is wrong on that page. I wrote to Tony, but afterwords
I had a look here:
http://www-users.cs.york.ac.uk/~fisher/
As it turns out, Tony Fisher died 13 years ago....

It seems the C compiler has changed so it no longer accepts
the code that is generated. You can yus the Recurrence relation
to make your own code or download the C code that will do the
same job as the web page. Links here:
http://www-users.cs.york.ac.uk/~fisher/mkfilter/

73

Leif

On Thu, 4 Jul 2013 14:44:44 +0700
"XV4Y (Yan)" <xv4y@nature-mekong.com> wrote:

> Hi,
>
> Is that me or the "C code" generator on that page does not work...
>
> 73,
> Yan.
> ---
> Yannick DEVOS - XV4Y
> http://xv4y.radioclub.asia/
> http://varc.radioclub.asia/
>
> Le 4 juil. 2013 à 04:27, Leif Asbrink a écrit :
>
> > Hi Simon,
> >
> > Simple IIR filters are far more powerful than FIR filters
> > for the early stages of decimation.
> > http://www-users.cs.york.ac.uk/~fisher/mkfilter/trad.html
> >
> > One might start with a sampling rate of 20 MHz and ask for
> > a bandwidth of 2 MHz. Then one can downsample by a factor of 4
> > to get 5 MHz sampling rate. At this lower speed one could
> > implement a better 2 MHz filter and downsample by two.
> >
> > It is always better to do it in several smaller steps:-)
> >
> > 73
> >

> > Leif
> >
> >
>

443. Re: CIC Filters vs FIR Half Bandwidth

Yahoo group: sdr-users
Date: 2013-07-04 11:45:52 UTC
From: Leif Asbrink
Topic: 423 Message: 443

Hi Terry and All,

FIR and IIR are very different in CPU demand when a filter
with a small bandwidth and low order is sufficient.
That is the case in the first step of decimation where
it is acceptable that the decimated signal is greatly
over-sampled.

The IIR filter would introduce a some phase and amplitude
changes that can be compensated completely at later stages
when over-sampling is no longer acceptable and FIR filters
not so demanding, but the phase and amplitude will vary
very slowly with frequency so there is no need for that
in amateur radio where the actual signals are narrow
in relation to the processed bandwidth for waterfall graphs.

If you want to receive a wideband digital signal it would
probably be necessary to compensate for the IIR filter response.

73

Leif

> I have the same questions as Simon ... is there a general rule on when it's better to use a CIC to decimate versus cascaded half-band FIR filtering? Does it boil down to figuring out the processing costs involved in both to determine when it makes sense to use a CIC/FIR combo?
>
> WRT IIR filters ... in Lyons' DSP book he mentions that IIR filters can induce phase distortions, complicating downstream processing if you're working with digital signals. Does that hold true when you're using them for decimation in a DDC application?
>
> Denny
>
> --- In sdr-users@yahoogroups.com, <wb4jfi@...> wrote:
> >
> > A CIC filter does not have a flat response, it rolls off. What you usually do is apply an FIR filter after a CIC, where the FIR has the opposite (peaking) response such that the combination of both filters provides a more-or-less flat response over the overall filter combination. A second FIR is usually applied after the first, which provides the normal low-pass function. Thatâ☐☐s what I remember about the AFEDRI8201 design as well. It has the frequency downconverter, followed by a CIC, followed by a larger tap FIR, then a simpler FIR.
> >
> > At least thatâ☐☐s what I remember from my FPGA and AFEDRI8201 work a few years back. There are several articles on CIC implementations on the web, look at Embedded.com and an IEEE article by a Mr. Donadio, I think. You can also look at CIC documentation from Xilinx and Altera regarding their free IP CIC filters.
> > 73, Terry, WB4JFI
>

>
>
>
>
> ---
>
> Yahoo! Groups Links
>
>
>

444. Re: CIC Filters vs. FIR Half Bandwidth

Yahoo group: sdr-users
Date: 2013-07-04 11:49:05 UTC
From: Leif Asbrink
Topic: 433 Message: 444

Hi Simon,

It depends on how much output bandwidth you need:-)

73

Leif

> Here’s a better question: given a weak CPU, what’s the most cost-effective way of decimating without incurring significant signal degradation. How should CIC, IIR, FIR be used in this situation? I’m thinking along the lines of ATOM / Android tablet CPUs.
>
>
>
> I have just tested my own code with an Ettus N210, 10MHz bandwidth, Stereo and RDS demodulation and I can get the whole thing running with 8% CPU, i7 930 @ 2.8GHz. Based on this I’ll be fine at 20 MHz from a bladeRF, but the search to save cycles should never end.
>
>
>
> http://www.hb9drv.ch/tmp/Screenshot-2013-07-04-094214.png 8% CPU, 10MHz bandwidth, stereo + RDS (costs a lot of cycles), no shortcuts taken in coding, aim always for best quality in all processing stages.
>
>
>
> Simon GD4ELI/HB9DRV
>
> http://v2.sdr-radio.com/
>
>
>
> From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of dennissheirer2002@...
>
> I have the same questions as Simon ... is there a general rule on when it's better to use a CIC to decimate versus cascaded half-band FIR filtering? Does it boil down to figuring out the processing costs involved in both to determine when it makes sense to use a CIC/FIR combo?
>
> WRT IIR filters ... in Lyons' DSP book he mentions that IIR filters can induce phase distortions, complicating downstream processing if you're working with digital signals. Does that hold true when you're using them for decimation in a DDC application?
>

445. Re: [sdr-users] Re: CIC Filters vs. FIR Half Bandwidth

Yahoo group: sdr-users
Date: 2013-07-04 15:01:24 UTC
From: Marc Coevoet
Topic: 433 Message: 445

```
Op 04-07-13 13:13, Leif Asbrink schreef:
>
> Something is wrong on that page. I wrote to Tony, but afterwords
> I had a look here:
> http://www-users.cs.york.ac.uk/~fisher/
> <http://www-users.cs.york.ac.uk/%7Efisher/>
> As it turns out, Tony Fisher died 13 years ago....
>
> It seems the C compiler has changed so it no longer accepts
> the code that is generated. You can yus the Recurrence relation
> to make your own code or download the C code that will do the
> same job as the web page. Links here:
> http://www-users.cs.york.ac.uk/~fisher/mkfilter/
> <http://www-users.cs.york.ac.uk/%7Efisher/mkfilter/>
>
> 73
>

Cannot be such a big problem:

marc@marc-Aspire-T140:/tmp/fil/www-users.cs.york.ac.uk/~fisher/software/mkfilter/current$
make -f irix.mk
gcc mkfilter.o complex.o -lm
mv a.out YBIN/mkfilter
chmod a+x YBIN/mkfilter
gcc mkshape.o complex.o -lm
mv a.out YBIN/mkshape
chmod a+x YBIN/mkshape
gcc mkaverage.o -lm
mv a.out YBIN/mkaverage
chmod a+x YBIN/mkaverage
gcc gencode.o complex.o readdata.o -lm
mv a.out YBIN/gencode
chmod a+x YBIN/gencode
gcc genplot.o complex.o readdata.o -Libdir -lgd -lm
/usr/bin/ld: cannot find -lgd

So: needs some lib gd ? I do not find it in 60" ;-)

Marc
--

The "Penguin" has arrived - and he's not going away - ever. What's on
Shortwave guide: choose an hour, go! http://shortwave dot tk 700+ Radio
Stations on SW http://swstations dot tk 300+ languages on SW
http://radiolanguages dot tk
```

446. Re: HAPPY FOURTH OF JULY!

Yahoo group: sdr-users
Date: 2013-07-04 15:29:30 UTC
From: bob johnson
Topic: 441 Message: 446

Thanks Juan

bob
kd4lv

447. Re: [sdr-users] Re: CIC Filters vs. FIR Half Bandwidth

Yahoo group: sdr-users
Date: 2013-07-04 16:14:01 UTC
From: Leif Asbrink
Topic: 433 Message: 447

Hi Marc,

Seems this is the place for libgd:
http://libgd.bitbucket.org/

Leif

> Op 04-07-13 13:13, Leif Asbrink schreef:
> >
> > Something is wrong on that page. I wrote to Tony, but afterwords
> > I had a look here:
> > http://www-users.cs.york.ac.uk/~fisher/
> > <http://www-users.cs.york.ac.uk/%7Efisher/>
> > As it turns out, Tony Fisher died 13 years ago....
> >
> > It seems the C compiler has changed so it no longer accepts
> > the code that is generated. You can yus the Recurrence relation
> > to make your own code or download the C code that will do the
> > same job as the web page. Links here:
> > http://www-users.cs.york.ac.uk/~fisher/mkfilter/
> > <http://www-users.cs.york.ac.uk/%7Efisher/mkfilter/>
> >
> > 73
> >
>
>
> Cannot be such a big problem:
>
>
marc@marc-Aspire-T140:/tmp/fil/www-users.cs.york.ac.uk/~fisher/software/mkfilter/current$
> make -f irix.mk
> gcc mkfilter.o complex.o -lm
> mv a.out YBIN/mkfilter
> chmod a+x YBIN/mkfilter
> gcc mkshape.o complex.o -lm
> mv a.out YBIN/mkshape
> chmod a+x YBIN/mkshape
> gcc mkaverage.o -lm
> mv a.out YBIN/mkaverage
> chmod a+x YBIN/mkaverage
> gcc gencode.o complex.o readdata.o -lm
> mv a.out YBIN/gencode
> chmod a+x YBIN/gencode
> gcc genplot.o complex.o readdata.o -Libdir -lgd -lm
> /usr/bin/ld: cannot find -lgd
>

>
> So: needs some lib gd ? I do not find it in 60" ;-)
>
> Marc
> --
>
> The "Penguin" has arrived - and he's not going away - ever. What's on
> Shortwave guide: choose an hour, go! http://shortwave dot tk 700+ Radio
> Stations on SW http://swstations dot tk 300+ languages on SW
> http://radiolanguages dot tk

448. Re: 12-bit vs 16-bit SDR?

Yahoo group: sdr-users
Date: 2013-07-04 20:00:42 UTC
From: vasiliy_k3it
Topic: 415 Message: 448

Another comparison screen shot. This time showing WSPR weak signal processing. This is a fairly critical test of oscillator stability. The results continue to be slightly counter intuitive, for me at least.

10Mhz internal TXCO reference is ON for Hermes but almost looks like there is no lock. You can see the difference at 02:04, :06, 02:22. I've labeled the radios this time :)

http://goo.gl/mtzpP

Vasiliy

--- In sdr-users@...m, "XV4Y (Yan)" <xv4y@...> wrote:
>
> Hi,
>
> Yes the sampling resolution will primarily affect the dynamic range. That means the ability to receive both weak and strong signals at the same time.
> Receiving strong OR weak signals can be achieved thanks to a right set of preamp / attenuator or an AGC circuit,.
> That's why DVB-T receivers are happy with 8-bit resolution, but they expect the signals to be in a known range (indoor antenna or outdoor but with a lot of coax).
>
> The sampling resolution will also affect the Quantization Noise.
> http://en.wikipedia.org/wiki/Quantization_(signal_processing)#Quantization_noise_model
> Quantization Noise can be improved with a specialized profile for your ADC like with Delta-Sigma modulation.
>
> Trying to keep your signal at the optimized level (close to max but keeping overhead) also helps to reduce the quantization noise.
> Because when you receive a weak signal with a 16 bits ADC in fact you're not using the whole resolution but perhaps only 1/4 of it, then increasing errors and noise.
> That's why even if they use 24-bits ADC, all commercial radios from Kenwood, Icom, Yaesu also use a complex attenuator/preamp/AGC circuitry.
>
> 73,
> Yan.
> ---
> Yannick DEVOS - XV4Y
> http://xv4y.radioclub.asia/
> http://varc.radioclub.asia/
>
> Le 3 juil. 2013 Ã 12:36, John Marvin a Ã©crit :
>
> >
> > Note that the Hermes has a 31db step attenuator placed before the A/D converter. If the software you are using supports it, you can set the attenuator in 1db steps. If the software was originally written for Mercury without any Hermes specific changes then you may only be able to choose either 0 db or 20 db attenuation. Do you know what

level your attenuator is set to? The HPSDR version of PowerSDR has support for the Hermes attenuator once you click the right option in the setup menus.
> >
> > I really like the attenuator resolution, since I only need about 4-5 db of attenuation during the day due to nearby AM broadcast stations. At night I don't need any attenuation. Some people have severe issues with broadcast station levels. They might be better off with a high pass filter rather than cranking the attenuator to a high level. The Rx half of HPSDR Alex is one option for such a filter (and both Alex boards can be integrated easily with Hermes).
> >
> > 73,
> > John
> > AC0ZG
> >
> > On 7/2/2013 10:22 PM, vasiliy_k3it wrote:
> >>
> >> Terry,
> >>
> >> yes the bottom one is the Hermes! The only way I can tell is by the faster filter roll off on the Afedri.
> >>
> >> Thanks for the explanation. This was taken midday here on the East coast, not a good time for strong signals. I will try again and look for (or create) strong interference.
> >>
> >> So far I could not get either of these SDRs to overload unless I crank up gain on the Afedri VGA.
> >>
> >> At some point I expect the Afedri spectrum to show intermod products and lose weak signals while Hermes is running circles around it :) Will keep looking. I will post another screen shot if I find those conditions.
> >>
> >> 73
> >> Vasiliy
> >>
> >> --- In sdr-users@yahoogroups.com, <wb4jfi@> wrote:
> >> >
> >> > Hey Vasiliy.
> >> > If I had to guess, I would say the bottom display is the Hermes, and the top one is the AFEDRI. But, I could be wrong! I hate 50/50 questions, I ALWAYS get them backwards!
> >> >
> >> > Neither spectrum shows very strong signals, which is where the added dynamic range of the Hermes 16-bit A/D would show its worth. IÃ¢â□¬â□¢m seeing about a 60dB range between the grass and the strongest signal, at about 7210kHz.
> >> >
> >> > I have played a lot with a similar AFEDRI design, the Charleston Receiver, designed by Dr. John Schwacke, here in Charleston. It is also a DDC-design based on the AFEDRI8201, and a Digilent Nexys2 FPGA board. AMRAD in DC made several of these boards as well. It looks very fine, until the rather strong signals show up, and start swamping it. A low-pass filter helps some, but itÃ¢â□¬â□¢s hard to filter out the high-power broadcasters just below and above the 40M band. ThatÃ¢â□¬â□¢s where Hermes will show the difference.
> >> >
> >> > With the Charleston receiver, I could turn up the gain of the VGA (preamp), and see really weak signals nicely, until other, much larger signals showed up at the antenna input.
> >> >
> >> > Were these spectrum shots taken late at night, with the huge broadcasters on? Try waiting for that big broadcast signal just above 40M to get going, and see what happens.

> >> >
> >> > ItÃ¢â□¬â□¢s all about dynamic range. As long as you donÃ¢â□¬â□¢t exceed the maximum signal input to the A/D, you can turn the gain up, and hear very weak signals. But with 12-bits (plus the processing gain), your dynamic range is not as good as with 16-bits, and even more processing gain.
> >> >
> >> > Joseph Mitola III (some say the Ã¢â□¬Å"fatherÃ¢â□¬Â□ of SDR) suggests that you really need about 130dB of dynamic range on HF, especially considering electrical storms. A 12-bit A/D should give you a little less than 72dB, before processing gain. A 16-bit A/D should give you a little less than 96dB. The rule of thumb on processing gain is that you gain approx. 6dB, or one A/D bit, for every factor of four in decimation.
> >> >
> >> > I think all the above is correct, itÃ¢â□¬â□¢s from my faulty memory...
> >> > Does that help?
> >> > 73, Terry, WB4JFI
> >> >
> >> >
> >> >
> >> >
> >> > From: vasiliy_k3it
> >> > Sent: Tuesday, July 02, 2013 11:34 PM
> >> > To: sdr-users@yahoogroups.com
> >> > Subject: [sdr-users] 12-bit vs 16-bit SDR?
> >> >
> >> >
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> >> >
> >> > 73
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> >> > Vasiliy K3IT
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449. Re: [sdr-users] Re: 12-bit vs 16-bit SDR?

Yahoo group: sdr-users
Date: 2013-07-04 23:27:27 UTC
From: XV4Y (Yan)
Topic: 415 Message: 449

Hi Vasily,

If I understand well the WSPR traces it seems that some signals were too strong and saturating.
K7UEB at 0222 was decoded on the AFEDRI and not on the Hermes for this reason, I think.
As for the stability you are right something strange happened on the Hermes between 0204-0206.
Touching it may produce too fast variation that the TCXO cannot compensate.

73,
Yan.

Yannick DEVOS - XV4Y
http://xv4y.radioclub.asia/
http://varc.radioclub.asia/

Le 5 juil. 2013 à 03:00, vasiliy_k3it a écrit :

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450. Re: 12-bit vs 16-bit SDR?

Yahoo group: sdr-users
Date: 2013-07-05 00:50:17 UTC
From: vasiliy_k3it
Topic: 415 Message: 450

Hi Yan

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451. Re: [sdr-users] Re: 12-bit vs 16-bit SDR?

Yahoo group: sdr-users
Date: 2013-07-05 01:42:59 UTC
From: XV4Y (Yan)
Topic: 415 Message: 451

Vasily,

Then I must not be understanding the traces well.
What are the smudged traces I can see at 2:08, 2:22 and 2:24.
Also it seems that some traces are just images of other traces like if something was saturating somewhere, but this more subjective as I don't have enough resolution to really see if the traces are identical or just similar.

I remember a few years ago someone made a comparison of 2 identical receivers sharing the same antenna on WSPR.
Some signals were decoded on one and not on the other, without known reasons.
Statistically on the long term it was similar, but not for given samples.
Using 2 different receiver chains (antenna -> Softrock -> Digital repeater -> PowerSDR/VAC -> WSPR and antenna -> Softrock -> Digital Repeater -> WSPR I/Q) results dispersion was even greater, but still similar in the long term.

73,
Yan.

Yannick DEVOS - XV4Y
http://xv4y.radioclub.asia/
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Le 5 juil. 2013 à 07:50, vasiliy_k3it a écrit :

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> > > > >> >
> > > > >> > With the Charleston receiver, I could turn up the gain of the VGA (preamp), and see really weak signals nicely, until other, much larger signals showed up at the antenna input.
> > > > >> >
> > > > >> > Were these spectrum shots taken late at night, with the huge broadcasters on? Try waiting for that big broadcast signal just above 40M to get going, and see what happens.
> > > > >> >
> > > > >> > ItÃƒÂ¢Ã¢â‰ Â¬Ã¢â‰¥Â¢s all about dynamic range. As long as you donÃƒÂ¢Ã¢â‰ Â¬Ã¢â‰¥Â¢t exceed the maximum signal input to the A/D, you can turn the gain up, and hear very weak signals. But with 12-bits (plus the processing gain), your dynamic range is not as good as with 16-bits, and even more processing gain.
> > > > >> >
> > > > >> > Joseph Mitola III (some say the ÃƒÂ¢Ã¢â‰ Â¬Ã…"fatherÃƒÂ¢Ã¢â‰ Â¬Ã‚Ë‡ of SDR) suggests that you really need about 130dB of dynamic range on HF, especially considering electrical storms. A 12-bit A/D should give you a little less than 72dB, before processing gain. A 16-bit A/D should give you a little less than 96dB. The rule of thumb on processing gain is that you gain approx. 6dB, or one A/D bit, for every factor of four in decimation.
> > > > >> >
> > > > >> > I think all the above is correct, itÃƒÂ¢Ã¢â‰ Â¬Ã¢â‰¥Â¢s from my faulty memory...
> > > > >> > Does that help?
> > > > >> > 73, Terry, WB4JFI
> > > > >> >
> > > > >> >
> > > > >> >
> > > > >> >
> > > > >> > From: vasiliy_k3it
> > > > >> > Sent: Tuesday, July 02, 2013 11:34 PM
> > > > >> > To: sdr-users@yahoogroups.com
> > > > >> > Subject: [sdr-users] 12-bit vs 16-bit SDR?
> > > > >> >
> > > > >> >
> > > > >> >
> > > > >> > I'm now a happy owner of two drastically different direct sampling SDRs, a 12-bit Afedri (aka the poor's man DDC), and 16-bit Linear 2208 flagship ADC based Hermes. I'm trying to understand what ADC bit resolution means in practical terms.
> > > > >> >
> > > > >> > I hooked up both receivers to the same antenna, same software (HDSDR), set the same bandwidth (384k) and the same LO and took a couple of screen shots of the spectrum and waterfall.

> > > > >> >
> > > > >> > Here they are:
> > > > >> >
> > > > >> > Compact view spectrum only: http://goo.gl/CzMnV
> > > > >> > Large view spectrum+waterfall: http://goo.gl/4faEf
> > > > >> >
> > > > >> > (warning the second picture is very large, two 24" monitor screenshots side by side)
> > > > >> >
> > > > >> > My guess is that the 16bit Hermes should be "better". It has at least four extra bits of resolution than afedri (more if you count effective bits) .
> > > > >> >
> > > > >> > But how can I see or hear these extra bits? Can anybody recognize which receiver is which on the screen shots?
> > > > >> >
> > > > >> > still learning.. :)
> > > > >> >
> > > > >> >
> > > > >> > 73
> > > > >> > --
> > > > >> > Vasiliy K3IT
> > > > >> >
> > > > >>
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> > > > >
> > > >
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>

452. Re: [sdr-users] Re: 12-bit vs 16-bit SDR?

Yahoo group: sdr-users
Date: 2013-07-05 03:28:44 UTC
From: David Turnbull
Topic: 415 Message: 452

Vasiliy, you need to widen the filter in HDSDR. Note how WSPR says Dial:14.0956 and Tx:14.0971. It tries to decode from the 1.5kHz point which is where you have your HDSDR filter cutting off. That's what causing the noise in the decoder and the artifacts from 150-200Hz.

Both radios look excessively accurate for WSPR. But so are radios based on the Si570. WSPR will decode with a drift of 4Hz/minute which would be pretty horrible for anything designed this century.

Precision is still pretty important for WSPR because it only looks across 200Hz of spectrum. Making sure the TCXO is calibrated and not drifting throughout the day can help keep signals from moving out of that 200Hz. It looks like your radios are about 2Hz off from each other and since the HDSDR filter is cutting off in the middle of the WSPR spectrum you're going to get substantially different results with the filter cutting of 2Hz more of the Afredi.

73 David http://AE9RB.com/

On Thu, Jul 4, 2013 at 1:00 PM, vasiliy_k3it <uncle_ziba@...> wrote:

> **
>
>
> Another comparison screen shot. This time showing WSPR weak signal
> processing. This is a fairly critical test of oscillator stability. The
> results continue to be slightly counter intuitive, for me at least.
>
> 10Mhz internal TXCO reference is ON for Hermes but almost looks like there
> is no lock. You can see the difference at 02:04, :06, 02:22. I've labeled
> the radios this time :)
>
> http://goo.gl/mtzpP
>
> Vasiliy
>
>
>

453. Re: [sdr-users] Re: 12-bit vs 16-bit SDR?

Yahoo group: sdr-users
Date: 2013-07-05 05:47:05 UTC
From: John Marvin
Topic: 415 Message: 453

I would also note that that is a pretty old version of WSPR that you are running. I know it is still the one that is on the main WSPR download page. I've never quite understood why Joe has never packaged a newer version (But many people downloaded newer versions from source and built it). He has packaged up the "experimental" WSPRX, which is a significant improvement over WSPR, as long as you don't require the native I/Q mode or band-hopping support. For some reason he went right past the version 3.0 without ever having a stable 3.0 release. Then he moved to WSPRX, and I wonder how long it will be before there is an official "stable" version of WSPRX.

Anyway, 2.11 has problems with high level signals. WSPRX takes two different decode paths for strong vs. weak signals. Having a live waterfall is really nice also.

John
AC0ZG

On 7/4/2013 9:28 PM, David Turnbull wrote:
> Vasiliy, you need to widen the filter in HDSDR. Note how WSPR says
> Dial:14.0956 and Tx:14.0971. It tries to decode from the 1.5kHz point
> which is where you have your HDSDR filter cutting off. That's what
> causing the noise in the decoder and the artifacts from 150-200Hz.
>
> Both radios look excessively accurate for WSPR. But so are radios
> based on the Si570. WSPR will decode with a drift of 4Hz/minute which
> would be pretty horrible for anything designed this century.
>
> Precision is still pretty important for WSPR because it only looks
> across 200Hz of spectrum. Making sure the TCXO is calibrated and not
> drifting throughout the day can help keep signals from moving out of
> that 200Hz. It looks like your radios are about 2Hz off from each
> other and since the HDSDR filter is cutting off in the middle of the
> WSPR spectrum you're going to get substantially different results with
> the filter cutting of 2Hz more of the Afredi.
>
> 73 David http://AE9RB.com/
>
>
> On Thu, Jul 4, 2013 at 1:00 PM, vasiliy_k3it <uncle_ziba@...
> <mailto:uncle_ziba@...>> wrote:
>
> Another comparison screen shot. This time showing WSPR weak signal
> processing. This is a fairly critical test of oscillator
> stability. The results continue to be slightly counter intuitive,
> for me at least.

>
> 10Mhz internal TXCO reference is ON for Hermes but almost looks
> like there is no lock. You can see the difference at 02:04, :06,
> 02:22. I've labeled the radios this time :)
>
> http://goo.gl/mtzpP
>
> Vasiliy
>
>
>
>

454. Re: [sdr-users] Re: CIC Filters vs. FIR Half Bandwidth

Yahoo group: sdr-users
Date: 2013-07-05 07:17:46 UTC
From: XV4Y (Yan)
Topic: 433 Message: 454

Hi Leif,

Thanks for the explanation
Well I did not make a research about Tony Fisher...
I was just wondering if it was me not entering the expected values or the website having troubles...
I am now looking into his source codes, nice thing from him that he published everything.

73,
Yan.

Yannick DEVOS - XV4Y
http://xv4y.radioclub.asia/
http://varc.radioclub.asia/

Le 4 juil. 2013 à 18:13, Leif Asbrink a écrit :

> Something is wrong on that page. I wrote to Tony, but afterwords
> I had a look here:
> http://www-users.cs.york.ac.uk/~fisher/
> As it turns out, Tony Fisher died 13 years ago....
>
> It seems the C compiler has changed so it no longer accepts
> the code that is generated. You can yus the Recurrence relation
> to make your own code or download the C code that will do the
> same job as the web page. Links here:
> http://www-users.cs.york.ac.uk/~fisher/mkfilter/
>
> 73
>
> Leif
>
> On Thu, 4 Jul 2013 14:44:44 +0700
> "XV4Y (Yan)" <xv4y@nature-mekong.com> wrote:
>
> > Hi,
> >
> > Is that me or the "C code" generator on that page does not work...
> >
> > 73,
> > Yan.
> > ---
> > Yannick DEVOS - XV4Y
> > http://xv4y.radioclub.asia/
> > http://varc.radioclub.asia/
> >

> > Le 4 juil. 2013 à 04:27, Leif Asbrink a écrit :
> >
> > > Hi Simon,
> > >
> > > Simple IIR filters are far more powerful than FIR filters
> > > for the early stages of decimation.
> > > http://www-users.cs.york.ac.uk/~fisher/mkfilter/trad.html
> > >
> > > One might start with a sampling rate of 20 MHz and ask for
> > > a bandwidth of 2 MHz. Then one can downsample by a factor of 4
> > > to get 5 MHz sampling rate. At this lower speed one could
> > > implement a better 2 MHz filter and downsample by two.
> > >
> > > It is always better to do it in several smaller steps:-)
> > >
> > > 73
> > >
> > > Leif
> > >
> > >
> >
>

455. CIC vs. FIR vs. IIR (Again)

Yahoo group: sdr-users
Date: 2013-07-05 07:46:48 UTC
From: Simon GD4ELI/HB9DRV
Topic: 455 Message: 455

Hi,

I'm now optimising code for the AVX and AVX2 instructions
http://en.wikipedia.org/wiki/Advanced_Vector_Extensions and to be honest no
longer need to use CIC etc. on a half-way decent PC.

It's still an interesting topic for SDR software on Android tablets etc.

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

456. Re: 12-bit vs 16-bit SDR?

Yahoo group: sdr-users
Date: 2013-07-05 12:53:07 UTC
From: vasiliy_k3it
Topic: 415 Message: 456

Understand about using the old software and selecting too narrow SSB filter, cutting off part of the WSPR passband. I've tried to put both receivers in as much identical configuration as possible, including the "wrong" filter selection. (K7UEB was lower than the cutoff, at 046Hz). My guess is that clock behavior was not affected by the choice of filters or WSPR software version ;). I will try to lock Hermes to a GPSDO and use the latest WSPR with a wider filter and see what happens.

73
Vasiliy

--- In sdr-users@yahoogroups.com, John Marvin <jm-softrock@...> wrote:
>
> I would also note that that is a pretty old version of WSPR that you
> are running. I know it is still the one that is on the main WSPR
> download page. I've never quite understood why Joe has never packaged a
> newer version (But many people downloaded newer versions from source and
> built it). He has packaged up the "experimental" WSPRX, which is a
> significant improvement over WSPR, as long as you don't require the
> native I/Q mode or band-hopping support. For some reason he went right
> past the version 3.0 without ever having a stable 3.0 release. Then he
> moved to WSPRX, and I wonder how long it will be before there is an
> official "stable" version of WSPRX.
>
> Anyway, 2.11 has problems with high level signals. WSPRX takes two
> different decode paths for strong vs. weak signals. Having a live
> waterfall is really nice also.
>
> John
> AC0ZG
>
>
> On 7/4/2013 9:28 PM, David Turnbull wrote:
> > Vasiliy, you need to widen the filter in HDSDR. Note how WSPR says
> > Dial:14.0956 and Tx:14.0971. It tries to decode from the 1.5kHz point
> > which is where you have your HDSDR filter cutting off. That's what
> > causing the noise in the decoder and the artifacts from 150-200Hz.
> >
> > Both radios look excessively accurate for WSPR. But so are radios
> > based on the Si570. WSPR will decode with a drift of 4Hz/minute which
> > would be pretty horrible for anything designed this century.
> >
> > Precision is still pretty important for WSPR because it only looks
> > across 200Hz of spectrum. Making sure the TCXO is calibrated and not
> > drifting throughout the day can help keep signals from moving out of
> > that 200Hz. It looks like your radios are about 2Hz off from each

> > other and since the HDSDR filter is cutting off in the middle of the
> > WSPR spectrum you're going to get substantially different results with
> > the filter cutting of 2Hz more of the Afredi.
> >
> > 73 David http://AE9RB.com/
> >
> >
> > On Thu, Jul 4, 2013 at 1:00 PM, vasiliy_k3it <uncle_ziba@...
> > <mailto:uncle_ziba@...>> wrote:
> >
> > Another comparison screen shot. This time showing WSPR weak signal
> > processing. This is a fairly critical test of oscillator
> > stability. The results continue to be slightly counter intuitive,
> > for me at least.
> >
> > 10Mhz internal TXCO reference is ON for Hermes but almost looks
> > like there is no lock. You can see the difference at 02:04, :06,
> > 02:22. I've labeled the radios this time :)
> >
> > http://goo.gl/mtzpP
> >
> > Vasiliy
> >
> >
> >
> >
>

457. Re: [sdr-users] CIC vs. FIR vs. IIR (Again)

Yahoo group: sdr-users
Date: 2013-07-06 06:53:52 UTC
From: Chris Smith
Topic: 455 Message: 457

Simon

Over on the openHPSDR reflector Jerry McDermond NH6Z has released an app called Heterodyne which runs on iPad. This requires that you have either Hermes or the Metis/Penny(lane)/Mercury card set as it searches your network for an HPSDR rig. This app has been through quite a few iterations and is now pretty stable on Rx but AFAIK there is still no Tx facility.

Now I've reminded myself of this app I must go and fire up my HPSDR rig and see how the latest version of Heterodyne performs! :-)

Cheers & 73

Chris G4NUX

On 5 Jul 2013, at 08:46, Simon GD4ELI/HB9DRV <simon@...> wrote:

>
> Hi,
>
>
>
> I’m now optimising code for the AVX and AVX2 instructions http://en.wikipedia.org/wiki/Advanced_Vector_Extensions and to be honest no longer need to use CIC etc. on a half-way decent PC.
>
>
>
> It’s still an interesting topic for SDR software on Android tablets etc.
>
>
>
> Simon GD4ELI/HB9DRV
>
> http://v2.sdr-radio.com/
>
>
>
>
>

458. Heterodyne KH6Z

Yahoo group: sdr-users
Date: 2013-07-06 06:59:16 UTC
From: Chris Smith
Topic: 458 Message: 458

PS Jerry has released the source code so I guess you could port the app to Android or whatever.

Chris

On 6 Jul 2013, at 07:53, Chris Smith <chris@evib.net> wrote:

> Simon
>
> Over on the openHPSDR reflector Jerry McDermond NH6Z has released an app called Heterodyne which runs on iPad. This requires that you have either Hermes or the Metis/Penny(lane)/Mercury card set as it searches your network for an HPSDR rig. This app has been through quite a few iterations and is now pretty stable on Rx but AFAIK there is still no Tx facility.
>
> Now I've reminded myself of this app I must go and fire up my HPSDR rig and see how the latest version of Heterodyne performs! :-)
>
> Cheers & 73
>
> Chris G4NUX
>
> On 5 Jul 2013, at 08:46, Simon GD4ELI/HB9DRV <simon@...> wrote:
>
>>
>> Hi,
>>
>>
>>
>> I’m now optimising code for the AVX and AVX2 instructions http://en.wikipedia.org/wiki/Advanced_Vector_Extensions and to be honest no longer need to use CIC etc. on a half-way decent PC.
>>
>>
>>
>> It’s still an interesting topic for SDR software on Android tablets etc.
>>
>>
>>
>> Simon GD4ELI/HB9DRV
>>
>> http://v2.sdr-radio.com/
>>
>>
>>
>>

>>
>

459. RE: [sdr-users] CIC vs. FIR vs. IIR (Again)

Yahoo group: sdr-users
Date: 2013-07-06 08:25:55 UTC
From: Simon GD4ELI/HB9DRV
Topic: 455 Message: 459

Hi,

I miss a lot of postings on the HPSDR list due to the odd way it's configured - I just don't have the enthusiasm to open up the text attachments. I use Outlook 2010.

This is a shame, otherwise I could and indeed would contribute more to that list.

I will never buy over-priced, over-hyped products from Apple.

Simon GD4ELI/HB9DRV
http://v2.sdr-radio.com/

-----Original Message-----
From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of Chris Smith

Over on the openHPSDR reflector Jerry McDermond NH6Z has released an app called Heterodyne which runs on iPad. This requires that you have either Hermes or the Metis/Penny(lane)/Mercury card set as it searches your network for an HPSDR rig. This app has been through quite a few iterations and is now pretty stable on Rx but AFAIK there is still no Tx facility.

460. Re: CIC vs. FIR vs. IIR (Again)

Yahoo group: sdr-users
Date: 2013-07-06 16:25:07 UTC
From: magooslum
Topic: 455 Message: 460

Not sure if your problem is with the settings that you have selected for the newsgroup. I get the daily digest in a email each day and can easily read and reply. Btw, I am using a Mac.

Not to get on a tangent but I used to pay someone regularly to help me repair constant issues with Windows so I switched to a Mac a few years ago. Not only have I never had a virus since, with no precautions whatsoever (or worried about such things), it all just works and keeps working. So my cost of ownership is surely less now. I do run Windows in a virtual machine but only for a few Ham related apps. I used VirtualBox for that which is FREE. :-)

I bought my slightly used Mac on CraigsList where you can get them for the same as a similarly priced PC. The "overpriced" argument does have workarounds. After changing I would never switch back. Life is just that much simpler on the Mac... and you know I think that I deserve it.

73, Paul

--- In sdr-users@yahoogroups.com, "Simon GD4ELI/HB9DRV" <simon@...> wrote:
>
> Hi,
>
> I miss a lot of postings on the HPSDR list due to the odd way it's
> configured - I just don't have the enthusiasm to open up the text
> attachments. I use Outlook 2010.
>
> This is a shame, otherwise I could and indeed would contribute more to that
> list.
>
> I will never buy over-priced, over-hyped products from Apple.
>
> Simon GD4ELI/HB9DRV
> http://v2.sdr-radio.com/
>
>
> -----Original Message-----
> From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf
> Of Chris Smith
>
> Over on the openHPSDR reflector Jerry McDermond NH6Z has released an app
> called Heterodyne which runs on iPad. This requires that you have either
> Hermes or the Metis/Penny(lane)/Mercury card set as it searches your network
> for an HPSDR rig. This app has been through quite a few iterations and is
> now pretty stable on Rx but AFAIK there is still no Tx facility.
>

461. CPU Load - A Tale

Yahoo group: sdr-users
Date: 2013-07-07 17:03:24 UTC
From: Simon GD4ELI/HB9DRV
Topic: 461 Message: 461

Well,

In Version 2 of my code I've paid a lot of attention to CPU usage without being prepared to knowingly compromise DSP quality.

On a Toshiba laptop with Haswell CPU http://www.toshibadirect.com/td/b2c/cdetland.to?poid=2000099419 I can run a RTL Dongle @ 2.5 MHz bandwidth, demodulate Stereo FM and decode RDA with a CPU of < 1%. I just thought I'd brag a bit as it's taken some time to do. To reduce CPU load I use the Intel IPP library ($199) version 7.1, the Haswell chip supports AVX2 instructions and rocks.

I'm really getting ready for the bladeRF from www.nuand.com which will deliver 28 MHz of bandwidth. The only possible problem on the horizon is high quality FTP with this bandwidth, time will tell, so if a problem I'll go to OpenCL.

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

462. RE: [sdr-users] CPU Load - A Tale

Yahoo group: sdr-users
Date: 2013-07-07 17:16:21 UTC
From: Simon GD4ELI/HB9DRV
Topic: 461 Message: 462

Not to self: don't post after a few beers.

Correction #1: Decode RDS, not RDA

Missed out #1: We're talking Windows 8 on the laptop

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of Simon GD4ELI/HB9DRV

In Version 2 of my code I've paid a lot of attention to CPU usage without being prepared to knowingly compromise DSP quality.

463. Re: [sdr-users] CPU Load - A Tale

Yahoo group: sdr-users
Date: 2013-07-09 02:21:00 UTC
From: Vasiliy --
Topic: 461 Message: 463

Simon
Congrats, 1% is impressive. I would have guessed ten percent utilization at least.

Was FTP an FFT autocorrected?

--
Vasiliy

On Jul 7, 2013, at 13:03, "Simon GD4ELI/HB9DRV" <simon@...> wrote:

> Well,
>
>
>
> In Version 2 of my code I've paid a lot of attention to CPU usage without being prepared to knowingly compromise DSP quality.
>
>
>
> On a Toshiba laptop with Haswell CPU http://www.toshibadirect.com/td/b2c/cdetland.to?poid=2000099419 I can run a RTL Dongle @ 2.5 MHz bandwidth, demodulate Stereo FM and decode RDA with a CPU of < 1%. I just thought I'd brag a bit as it's taken some time to do. To reduce CPU load I use the Intel IPP library ($199) version 7.1, the Haswell chip supports AVX2 instructions and rocks.
>
>
>
> I'm really getting ready for the bladeRF from www.nuand.com which will deliver 28 MHz of bandwidth. The only possible problem on the horizon is high quality FTP with this bandwidth, time will tell, so if a problem I'll go to OpenCL.
>
>
>
> Simon GD4ELI/HB9DRV
>
> http://v2.sdr-radio.com/
>
>
>
>

464. RE: [sdr-users] CPU Load - A Tale

Yahoo group: sdr-users
Date: 2013-07-09 05:39:31 UTC
From: Simon GD4ELI/HB9DRV
Topic: 461 Message: 464

Ah, yes J

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of Vasiliy --

Was FTP an FFT autocorrected?

465. VITA 49

Yahoo group: sdr-users
Date: 2013-07-10 09:05:07 UTC
From: Simon GD4ELI/HB9DRV
Topic: 465 Message: 465

Hi,

Does anyone have any sample files in VITA 49 format? It's about time I moved away from the WAV container but would like to find some VITA 49 files just to be sure I'm encoding / decoding correctly.

TIA,

Simon G4ELI/HB9DRV

http://v2.sdr-radio.com/

466. Dual-core embedded computer

Yahoo group: sdr-users
Date: 2013-07-12 14:51:19 UTC
From: XV4Y
Topic: 466 Message: 466

Hi,

I know this is not exactly in the main topic of this group but it may interest some.
The CubieBoard 2 has an AllWinner A20 dual-core CPU (2 Cortex A7) and enough horse power to do some maths (NEON SIMD instruction set, OpenGL dual core MALI GPU...), 1GB RAM, 4GB Flash embedded...
The price is bargain at 45$:
http://cubieboard.org/?p=591

73,
Yan.

Yannick DEVOS - XV4Y
http://xv4y.radioclub.asia/
http://www.qslwatch.com/

467. Newbie

Yahoo group: sdr-users
Date: 2013-07-16 20:53:28 UTC
From: Joseph Shynn
Topic: 467 Message: 467

Greetings.
Very Newbie here.
Just took delivery of two, "Digital Energy' mini digital TV stick.
Can one of you fellas turn this into a scanner?

Regards,

Joey

468. AW: [sdr-users] Newbie

Yahoo group: sdr-users
Date: 2013-07-17 11:05:39 UTC
From: siegfried jackstien
Topic: 467 Message: 468

Depends on what chipsare inside

Dg9bfc

Sigi

Ps if you have a rtl2832 chip in it then the answer is yes

> -----Ursprüngliche Nachricht-----
> Von: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] Im
> Auftrag von Joseph Shynn
> Gesendet: Dienstag, 16. Juli 2013 20:53
> An: sdr-users@yahoogroups.com
> Betreff: [sdr-users] Newbie
>
>
>
> Greetings.
> Very Newbie here.
> Just took delivery of two, "Digital Energy' mini digital TV stick.
> Can one of you fellas turn this into a scanner?
>
> Regards,
>
> Joey
>
>
>
>

469. WHAT IS AN "FPGA" ? An excellent You Tube lecture uploaded.

Yahoo group: sdr-users
Date: 2013-07-20 11:08:48 UTC
From: sdr.users
Topic: 469 Message: 469

Good morning friends!

Greetings from Miami, Florida.

If you wish to learn about the mysteries of FPGA (Field Programmable Gate Arrays), now present at all leading edge SDR (Software Defined Transceivers) such as the new Flex 6000 series and the Apache-Labs ANAN series, don't miss this important lecture available at our LINK's section: http://groups.yahoo.com/group/sdr-users/links .

We made this upload in furthering the non-profit educational and informative mission of the SDR (Software Defined Radio) User's Discussion Group.

Enjoy.

Regards and 73

Juan /K4LCD

470. Re: WHAT IS AN "FPGA" ? An excellent You Tube lecture uploaded.

Yahoo group: sdr-users
Date: 2013-07-20 16:44:06 UTC
From: Larry_Seiger
Topic: 469 Message: 470

Hi Juan

I just finished watching the FPGA video and it was an excellent intro to the subject.

Thanks for posting the link.

Larry/KK5AB

471. Setting up your Apache Labs ANAN 100D to work on AM/SSB, Digi Modes and SKYPE, with same powered speakers and same Microphone.

Yahoo group: sdr-users
Date: 2013-07-21 09:41:39 UTC
From: K4LCD
Topic: 471 Message: 471

Hi friends!

Running Windows 7, 64bits OS; OpenHPSDR's PowerSDR mRX-FFT v.3.1.5;
Transceiver: Apache Labs ANAN-100D

The following are my settings:

Desk top Microphone connected to Front mic jack *at computer.*
Powered speakers connected to Front earphone *j**ack at computer. *

To work in (SKYPE) and SSB/AM..., the following settings apply:
*
VAC 1**Input: Front Mic.*
VAC 1 Output: Line 3 *(prepared for Digital modes).*
On sound card: Playback Line IN Level must have some output, and Realtek
HD Audio Output Level controls the input level to powered speakers, in
order to hear the sound from RX1 and RX2.

To work FLdigiand other digital modes:
*/
/**/VAC 1 Input: must be changed: From Front Mic to Line 2 (VAC 2
Output:) so it will transmit only when you wish to operate on digimodes./*
VAC 1 Output: Line 3 (previously set up for digital modes).

VAC 2 Input: Line 3 (set as Capture in FLdigi).
VAC 2 Output: *Line 2* (set as Playback in FLdigi).

On AM/SSB, PPT is activated by ON pressing/releasing and OFF by again
pressing releasing keyboard SPACEBAR.

Now it all works, Radio, SSB, Digital Modes, both receivers and Skype,
with same microphone and same speakers!

With regards to all and 73

Juan /K4LCD
http://groups.yahoo.com/group/sdr-users/

472. NEW CUSTOMER SUPPORT FOR APACHE LABS PRODUCTS, REPAIR AND SERVICE AND DEALER ARRANGEMENTS - QUESTIONS.

Yahoo group: sdr-users
Date: 2013-07-23 11:51:03 UTC
From: K4LCD
Topic: 472 Message: 472

Dear Abhi,

1. Where can we get the new telephone support for the many technical and operational issues pertaining to the Apache-Labs products that we own and that Ken Hopper N9VV has been providing to us long before we purchased them? Please provide us the name of the new person, telephone number and Email.

2. Exactly what services will these distributors be performing for the purchasers of Apache Labs Products. Who are they?

3. Where will your U.S. Offices be located that you plan to open in the near future? Will you have a distribution warehouse adjacent to it? How many employees will staff your U.S. office? Please provide us address and telephone number if available.

4. Please describe to us the Repairs and Service tasks that Doug W5WC will be performing. Warranty? Out of warranty? Service fees? Other fees and costs? How may we contact Doug.

5. What Legal and Visa formalities are pending. Can anyone of us be of help?

73

Juan /K4LCD - https://sites.google.com/site/k4lcdars/
https://sites.google.com/site/k4lcdars/
http://groups.yahoo.com/group/sdr-users/

On 07/23/2013 6:29 AM, abhiarunoday16 wrote:
>
> Hi All,
>
> Ken, N9VV is unable to continue his volunteer support services in the
> imminent future due to health reasons, I would like to thank Ken for
> the exceptional support he has provided to all Apache Customers, the
> ANAN user manuals and his website are great examples of his enthusiasm
> for the Apache radios and all things SDR,
>
> Thank you Sir!
>
> I would request that you direct your Support/Sales/Technical/Shipping
> related queries to support@...
> <mailto:support%40apache-labs.com>,
>
> I am happy to announce that Doug, W5WC would be handling repairs &

> Service for Apache Labs, however, all RMA authorizations would still
> need to be procured from support@...
> <mailto:support%40apache-labs.com>
>
> We expect to open the US office in the near future, however, we still
> have the legal and Visa formalities to deal with :), for our EU
> customers I expect to have distributorship agreements in place shortly
> in order to make your buying experience easier,
>
> Thank you kindly,
>
> 73s,
> Abhi
>
>

--
Ofelia y Juan Antonio Granados

9451 SW 97 Street
Miami, FL 33176
Ph. 305 270 8779; Fax. 305 595 1883;
http://paternalskills.org
http://destrezaspaternales.org
http://hispanicremedial.org
http://escueladehoy.org
http://lasallemiami.org

473. TELEPHONE CUSTOMER SUPPORT/ APACHE LABS PRODUCTS, REPAIR, SERVICE AND DEALERS

Yahoo group: sdr-users
Date: 2013-07-24 12:06:37 UTC
From: sdr.users
Topic: 473 Message: 473

Thank you Abhi and good morning.

Please understand that Software Defined Radio is not only for Experimenter Radio Amateurs but for ALL Radio Amateurs including those, like me with very technical knowledge in electronics, informatics and the functioning/operation of the software that runs the Apache Labs SDR radios, one of which I own.

I would not be a customer of Apache Labs, had it not been, for the telephone customer support that I initially received almost ten years ago from Ken Hopper N9VV (at that time the Flex-Radio telephone support person) when he helped me set up my first SDR transceiver, a Flex SDR-1000. And later for the continuing excellent telephone support that I continued to receive from Dudley Hurry through my years of ownership of my Flex 5000. This telephone customer support went beyond the actual hardware, Flex-Radio's Firmware, and SDR software, but even extended at times, to issues of my PC, VAC and DIGI modes.

It is troublesome to me, as a customer/user, that Apache Labs business model will not provide any customer support to the issues of the PCs, VAC, SDR software, DIGI modes, etc. that run and are used in the Apache Labs Radios.

TDB means "To be determined". Yet, you provide the telephone number of your offices in India and your Email in India. I respectfully suggest that TBD should be changed with a definite commitment with dates that will me met, names and addresses and telephone numbers, when all these services will be provided in the United States.

On the issue of Repairs and Service, I still want to learn about what services would be provided by Doug, Warranty, Out of Warranty, what fees costs would be charged in either case, what would be the turn around time on repairs, and for how long will Apache Labs business plan contemplates the technical support of its products?

Again thank you for your prompt reply.

With kindest regards, 73

Juan /K4LCD - https://sites.google.com/site/k4lcdars/
https://sites.google.com/site/k4lcdars/ http://groups.yahoo.com/group/sdr-users/

On 07/24/2013 10:34 AM, abhiarunoday16 wrote:
>
> Hello Juan,
>
> Please see my answers inline below:
>
> >
> > Dear Abhi,
> >
> > 1. Where can we get the new telephone support for the many technical and operational

issues pertaining to the Apache-Labs products that we own and that Ken Hopper N9VV has been providing to us long before we purchased them? Please provide us the name of the new person, telephone number and Email.
>
> Contact support@... or call on our contact numbers +91-124-4245173/74/75
>
> > 2. Exactly what services will these distributors be performing for the purchasers of Apache Labs Products. Who are they?
>
> Sales & Service, we will update the distributor details once the agreements are in place
> >
> > 3. Where will your U.S. Offices be located that you plan to open in the near future? Will you have a distribution warehouse adjacent to it?
> > How many employees will staff your U.S. office? Please provide us address and telephone number if available.
>
> TBD
> >
> > 4. Please describe to us the Repairs and Service tasks that Doug W5WC will be performing. Warranty? Out of warranty? Service fees? Other fees and costs? How may we contact Doug.
>
> You do not contact Doug, please contact Apache Support
> >
> > 5. What Legal and Visa formalities are pending. Can anyone of us be of help?
>
> Thank you, I don't think there are any bumps that I foresee, it's just that we have to wait for the necessary approvals :)
>
> 73s,
> Abhi
> >
> > 73
> >
> > Juan /K4LCD - https://sites.google.com/site/k4lcdars/
> > https://sites.google.com/site/k4lcdars/ http://groups.yahoo.com/group/sdr-users/

474. NEW CUSTOMER SUPPORT FOR APACHE LABS PRODUCTS, REPAIR AND SERVICE AND DEALER

Yahoo group: sdr-users
Date: 2013-07-24 13:19:53 UTC
From: sdr.users
Topic: 474 Message: 474

From: apache-labs@yahoogroups.com

Juan,

I am sorry but Apache does not provide software support nor did you pay for it when you bought the radio, this may change in the near future, the support Ken provided was above and beyond the call of duty,

Apache sells from India and our customers are well aware of this fact, even though the customer is geographically separated from us I can assure you that there will be more than a few folks who will testify to the swift service provided by Apache, I think we have been more than fair in our business dealings,

> TBD means "To be determined". Yet, you provide the telephone number >of your offices in India and your Email in India. I respectfully >suggest that TBD should be changed with a definite commitment with >dates that will me met, names and addresses and telephone numbers, >when all these services will be provided in the United States.

We can only commence operations in the US once the visas and clearances are in place, I cannot change the TBD factors or establish the timelines for the simple reason that I have no control over these processes,

> It is troublesome to me, as a customer/user, that Apache Labs >business model will not provide any customer support to the issues >of the PCs, VAC, SDR software, DIGI modes, etc. that run and are >used in the Apache Labs Radios.

I am not sure if you are being fair here! would you expect Windows & third party software support from a laptop/PC manufacturer?

Warranty repairs are as per our stated terms:

https://apache-labs.com/al-pages/1005/WarrantyService-and-Repair.html

Doug is not going to deal directly with customers, think of him as a US based service center, your RMA will still need to be generated by contacting Apache Support,

73s,
Abhi

--- In apache-labs@...m, "k4lcd@..." <k4lcd@...> wrote:
>
> Thank you Abhi and good morning.
>
> Please understand that Software Defined Radio is not only for Experimenter Radio Amateurs but for ALL Radio Amateurs including those, like me with very technical knowledge in electronics, informatics and the functioning/operation of the software that runs the

Apache Labs SDR radios, one of which I own.
>
> I would not be a customer of Apache Labs, had it not been, for the telephone customer support that I initially received almost ten years ago from Ken Hopper N9VV (at that time the Flex-Radio telephone support person) when he helped me set up my first SDR transceiver, a Flex SDR-1000. And later for the continuing excellent telephone support that I continued to receive from Dudley Hurry through my years of ownership of my Flex 5000. This telephone customer support went beyond the actual hardware, Flex-Radio's Firmware, and SDR software, but even extended at times, to issues of of my PC, VAC and DIGI modes.
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> On the issue of Repairs and Service, I still want to learn about what services would be provided by Doug, Warranty, Out of Warranty, what fees costs would be charged in either case, what would be the turn around time on repairs, and for how long will Apache Labs business plan contemplates the technical support of its products?
>
> Again thank you for your prompt reply.
>
> With kindest regards, 73
>
> Juan /K4LCD - https://sites.google.com/site/k4lcdars/
> https://sites.google.com/site/k4lcdars/ http://groups.yahoo.com/group/sdr-users/
>
> --- In apache-labs@yahoogroups.com, "abhiarunoday16" <abhiarunoday16@> wrote:
> >
> > Hello Juan,
> >
> > Please see my answers inline below:
> >
> > >
> > > Dear Abhi,
> > >
> > > 1. Where can we get the new telephone support for the many technical and operational issues pertaining to the Apache-Labs products that we own and that Ken Hopper N9VV has been providing to us long before we purchased them? Please provide us the name of the new person, telephone number and Email.
> >
> > Contact support@ or call on our contact numbers +91-124-4245173/74/75
> >
> > > 2. Exactly what services will these distributors be performing for the purchasers of Apache Labs Products. Who are they?
> >
> > Sales & Service, we will update the distributor details once the agreements are in

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> > >
> > > 3. Where will your U.S. Offices be located that you plan to open in the near future? Will you have a distribution warehouse adjacent to it?
> > > How many employees will staff your U.S. office? Please provide us address and telephone number if available.
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> > TBD
> > >
> > > 4. Please describe to us the Repairs and Service tasks that Doug W5WC will be performing. Warranty? Out of warranty? Service fees? Other fees and costs? How may we contact Doug.
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> > You do not contact Doug, please contact Apache Support
> > >
> > > 5. What Legal and Visa formalities are pending. Can anyone of us be of help?
> >
> > Thank you, I don't think there are any bumps that I foresee, it's just that we have to wait for the necessary approvals :)
> >
> > 73s,
> > Abhi
> > >
> > > 73
> > >
> > > Juan /K4LCD - https://sites.google.com/site/k4lcdars/
> > > https://sites.google.com/site/k4lcdars/ http://groups.yahoo.com/group/sdr-users/

475. Re: TELEPHONE CUSTOMER SUPPORT/ APACHE LABS PRODUCTS, REPAIR, SERVICE AND DEALERS

Yahoo group: sdr-users
Date: 2013-07-24 14:14:11 UTC
From: William H. Fite
Topic: 475 Message: 475

Juan,

With respect, I must take exception to some of your remarks. The issue of support for PC and third-party software by the radio manufacturer has been beaten to death on the Flex reflectors. The fact is, no matter how much others may seek it, it is nearly impossible for any vendor to provide support and/or in-depth technical advice for products outside their range. Nor, in my opinion, should they be held responsible for doing so or faulted when they do not. They build and sell radios, not PCs or add-ons such as VAC and Skimmer.

After all, if we were tinkering with a transmitter and noted that the trusty old Bird 43 was not working properly, few of us would pick up the phone and call Yaesu for help with it.

Apache makes its corporate position abundantly clear on its website: "Apache Labs currently does not produce, endorse, or supply any particular SDR software for the Apache Labs Transceivers." The buyer is, or should be, aware of this going in.

I know this up close and personal. I've been a ham for less than five years. I came to radio with a pretty deep and broad knowledge of computers (I'm married to a quantum information theorist--computers are central to our bookish PhD lives). But I knew a lot less about radio and almost nothing about digital signal theory. I've had to hit the books hard, helped by some extraordinarily generous guys like Brian Lloyd and others. And I'm still a duffer; probably always will be.

That is all by way of saying that the developmental cycle of SDR is at a point far different from firing up the trusty old YazComWood and rag chewing on 80M. Most of us who elect to buy Flex or Apache radios either need to come to the shack well versed in computer use, software management, and at least a modicum of digital theory...or else be prepared to burn the midnight oil to get ourselves up to speed.

Which is saying, I guess, that SDR is not for appliance operators. Not saying you are that, by any means, just generalizing a bit. An individual who considers that he can or should be able to turn on his SDR and find solutions to every issue by glancing through the manual or calling a buddy from the club is destined to frustration and heartache. Similarly, a guy who thinks he can tussle with WSPR for a while and then turn to the hardware manufacturer for help is headed for disappointment and dissatisfaction.

Far from leaving its buyers high and dry, it seems to me that Apache has bent over backward to be extraordinarily helpful. It appears that this small offshore company is doing all it can to set up both a supply chain and a support network here and in other countries. I suggest we all be a little patient, a little tolerant, a little understanding, wood-shedding problems on our own, and relying on the proud old Elmer tradition.

That's my opinion, perhaps worth exactly as much as you paid for it.

Bill
--
I can explain it for you, but I can't comprehend it for you.

476. Re: NEW CUSTOMER SUPPORT FOR APACHE LABS PRODUCTS, REPAIR AND SERVICE AND DEALER

Yahoo group: sdr-users
Date: 2013-07-24 14:54:40 UTC
From: sdr.users
Topic: 474 Message: 476

From: apache-labs@yahoogroups.com

Well said Mike! Its always been clear that Apache-labs provides a bleeding edge hardware solution and that their support is for hardware issues only right now. Yes, because the hardware is dependent upon software, its hard to know which is which sometimes. I have always found that Apache-labs will point me to the software if its a software issue.

Its up to us to bond together and help support each other. Many new users are going to come over to the Anan's now because of the delays ect of the other brand of radios. There are even others selling their new rigs to switch over. Its rapidly becoming clear that those rigs are 1-2 years away from being fully functional. We are lucky with the Anans to have a solution that works now and gets even better later!

They are not all going to be experienced SDR users or use to the do it yourself mentality when they start coming over to the Anans.

I suggest we as a community welcome them, embrace them,help them and above all never belittle them. If we point them to solutions and they don't follow them, point them again and if they are not capable of following them they will sort themselves out with direct help or drop out of the mix. Some of us, myself included are thick headed and hate reading manuals, ect. Shame on us, but if we want to survive these radios, we shall learn to read! :)

Build reusable help resources. Document your knowledge and share! Make a video and share. That's in part what Open Source is about! The more that gets done the less it takes us all to support users. Support those that are documenting. Just yesterday I got a great e-mail explaining Dither and Random to me and that will go into the settings guide next chance I get. I am not ashamed to say I am here to learn and there will be many others that join us that will be here to learn as well! Share your knowledge and we all get better and stronger!

Join the Anan users Net. Flex Radios ended up having a rather active users net. Join it, help support it, network with other SDR users and grow! Its a great way to make new friends and build a support network!

We should create a public issues and wish list. People can't read minds, known issues will be known and not repeatedly covered and we can work towards solutions. Its not airing dirty laundry, its about pushing ahead and making progress. While some may not agree, I am sending Abhi a note about considering using Power Poles for the radios. Those kinds of wish list items will help Abhi better serve us on future models.

Remember, you bought an experimental radio of sorts. Not everything is going to be perfect on this model or even be changeable. Newer models will simply get better if Apache is doing their job right.

Show your gratitude for support to the developers! You have to sit in their shoes to appreciate the fact that they never asked someone to build a commercial product that uses their software. What we have bought if you want to think about it that way is pre-built kit radios. Really nice ones at that, but the software is Open Source and the realization that nobody owes you fixes can be a tuff one to swallow. Being nice rather than gruff will likely get you a lot farther!

Ok, that's my humble thoughts on it all!

73!
NI0Z
Mark

--- In apache-labs@yahoogroups.com, amsctalx@... wrote:
>
> >> It is troublesome to me, as a customer/user, that Apache Labs >business model will not provide any customer support to the issues
> > >of the PCs, VAC, SDR software, DIGI modes, etc. that run and are >used in the Apache Labs Radios.
>
> >I am not sure if you are being fair here! would you expect Windows & third party software support from a laptop/PC manufacturer?
>
> I agree with Abhi 101%, and have been holding my breath, suspecting that someone would eventually make this assertion...
>
> We could argue all day about the intended audience for these transceivers, and their level of technical acumen, but everybody knew going in that Apache Labs' products were commercializations of open-source projects. We all knew, or should have, that this would be a community-supported project and that is the risk that we assume in playing with open-source "toys".
>
> Apache, at this time, provides a hardware platform and may in the future supply SDR client software if they think that it is profitable to provide a complete "package" and thus expand their market. They have, at this time, done pretty much what they said they were going to and them some. I find it very hard to fault them, or expect them to support even PSDR, much less accessory applications and their respective issues.
>
>
> Mike Alexander - N8MSA
>
> amsctalx@...
>
> ----- Original Message -----
> From: "abhiarunoday16" <abhiarunoday16@...>
> To: apache-labs@yahoogroups.com
> Sent: Wednesday, July 24, 2013 8:59:16 AM
> Subject: [apache-labs] Re: NEW CUSTOMER SUPPORT FOR APACHE LABS PRODUCTS, REPAIR AND SERVICE AND DEALER
>
>
>

>
>
>
> Juan,
>
> I am sorry but Apache does not provide software support nor did you pay for it when you bought the radio, this may change in the near future, the support Ken provided was above and beyond the call of duty,
>
> Apache sells from India and our customers are well aware of this fact, even though the customer is geographically separated from us I can assure you that there will be more than a few folks who will testify to the swift service provided by Apache, I think we have been more than fair in our business dealings,
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> https://apache-labs.com/al-pages/1005/WarrantyService-and-Repair.html
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> Doug is not going to deal directly with customers, think of him as a US based service center, your RMA will still need to be generated by contacting Apache Support,
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> 73s,
> Abhi
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> >
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> > https://sites.google.com/site/k4lcdars/ http://groups.yahoo.com/group/sdr-users/
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> > --- In apache-labs@yahoogroups.com , "abhiarunoday16" <abhiarunoday16@> wrote:
> > >
> > > Hello Juan,
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> > > >
> > > > Dear Abhi,
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> > > Thank you, I don't think there are any bumps that I foresee, it's just that we have to wait for the necessary approvals :)
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> > > 73s,
> > > Abhi
> > > >
> > > > 73
> > > >
> > > > Juan /K4LCD - https://sites.google.com/site/k4lcdars/
> > > > https://sites.google.com/site/k4lcdars/ http://groups.yahoo.com/group/sdr-users/

477. Re: [sdr-users] Re: TELEPHONE CUSTOMER SUPPORT/ APACHE LABS PRODUCTS, REPAIR, SERVICE AND DEALERS

Yahoo group: sdr-users
Date: 2013-07-24 16:14:35 UTC
From: Neil R. Ormos N9NL
Topic: 475 Message: 477

William H. Fite KJ4SLP? wrote:
> [K4LCD Juan A. Granados wrote:]

>> It is troublesome to me, as a customer/user,
>> that Apache Labs business model will not
>> provide any customer support to the issues of
>> the PCs, VAC, SDR software, DIGI modes,
>> etc. that run and are used in the Apache Labs
>> Radios.

> With respect, I must take exception to some of
> your remarks. The issue of support for PC and
> third-party software by the radio manufacturer
> has been beaten to death on the Flex reflectors.
> The fact is, no matter how much others may seek
> it, it is nearly impossible for any vendor to
> provide support and/or in-depth technical advice
> for products outside their range. Nor, in my
> opinion, should they be held responsible for
> doing so or faulted when they do not. They
> build and sell radios, not PCs or add-ons such
> as VAC and Skimmer.

Nonsense!

Customers are not asking the radio manufacturer
for tech support on a sump pump or a tractor. The
radio cannot effectively be used without a
computer and the software that runs on it. The
manufacturer advertises the radio for use in a
networked environment. It is inconceivable that
the manufacturer does not itself use the radio
with a computer, including various software
products, for its own development and testing
activities. It is perfectly reasonable for
customers to expect the manufacturer to support
the equipment in the environment in which it is
actually used, particularly where compatibility
with that environment was advertised to induce the
customer to buy in the first place.

Moreover, there's nothing wrong with a customer,
or even a non-customer, complaining about the
manufacturer's no-technical-support business
model. In my view, Jaun is providing a useful

public service by warning potential customers (i.e., me) that technical support may not be forthcoming from this manufacturer. And there's value in letting the manufacturer know what Juan, as a customer, desires.

> After all, if we were tinkering with a
> transmitter and noted that the trusty old Bird
> 43 was not working properly, few of us would
> pick up the phone and call Yaesu for help with
> it.

That's a disingenuously contrived example.

Yeasu customers might well call Yaesu tech support if their Yaesu radio which contains an automatic antenna tuner would not tune an antenna which was within the tuning range of the tuner, as reported by their apparently-working Bird 43, even though Yaesu did not make the wattmeter, the feedline, or the antenna. I have had personal experience calling another Japanese manufacturer in a very similar situation, and support was cheerfully given.

> Apache makes its corporate position abundantly
> clear on its website: "Apache Labs currently
> does not produce, endorse, or supply any
> particular SDR software for the Apache Labs
> Transceivers." The buyer is, or should be,
> aware of this going in.

Honda doesn't build roads either, but automobile purchasers still reasonably expect them to address a suspension problem that becomes evident on bumpy roads. Honda doesn't say, "What? You drove our car on a BRIDGE? We don't know anything about BRIDGES! Direct your all your questions to the people who made the bridge."

> [...] Which is saying, I guess, that SDR is not
> for appliance operators. [...]

More nonsense. At least one other maker of SDR transceivers is exactly positioning its equipment and paired software, in the marketplace, as complete, working, supported products, just like those of the big three Japanese vendors. Even if Apache may not be doing that, the general proposition that SDR is not for appliance operators is false, at least if you believe what one manufacturer is advertising to the public.

73

--Neil Ormos N9NL

478. Re: [sdr-users] Re: TELEPHONE CUSTOMER SUPPORT/ APACHE LABS PRODUCTS, REPAIR, SERVICE AND DEALERS

Yahoo group: sdr-users
Date: 2013-07-24 16:26:25 UTC
From: William H. Fite
Topic: 475 Message: 478

Well goodness gracious, Neil, I hope you feel better for having gotten that off your chest. Tums might help, too.

If you want to put forward unrealistic expectations and then fault manufacturers for not meeting them, go right ahead. The rest of us will just go on having fun.

--
I can explain it for you, but I can't comprehend it for you.

479. Re: [sdr-users] Re: TELEPHONE CUSTOMER SUPPORT/ APACHE LABS PRODUCTS, REPAIR, SERVICE AND DEALERS

Yahoo group: sdr-users
Date: 2013-07-24 16:27:54 UTC
From: Rick Simpson
Topic: 475 Message: 479

Will you guys please start a new Yahoo group entitled
"sdr-users-complaining-about-customer-support" and take your conversation there?

Rick

----- Original Message -----
From: Neil R. Ormos N9NL
To: sdr-users@yahoogroups.com
Sent: Wednesday, July 24, 2013 12:14 PM
Subject: Re: [sdr-users] Re: TELEPHONE CUSTOMER SUPPORT/ APACHE LABS PRODUCTS, REPAIR, SERVICE AND DEALERS

William H. Fite KJ4SLP? wrote:
> [K4LCD Juan A. Granados wrote:]

>> It is troublesome to me, as a customer/user,
>> that Apache Labs business model will not
>> provide any customer support to the issues of
>> the PCs, VAC, SDR software, DIGI modes,
>> etc. that run and are used in the Apache Labs
>> Radios.

> With respect, I must take exception to some of
> your remarks. The issue of support for PC and
> third-party software by the radio manufacturer
> has been beaten to death on the Flex reflectors.
> The fact is, no matter how much others may seek
> it, it is nearly impossible for any vendor to
> provide support and/or in-depth technical advice
> for products outside their range. Nor, in my
> opinion, should they be held responsible for
> doing so or faulted when they do not. They
> build and sell radios, not PCs or add-ons such
> as VAC and Skimmer.

Nonsense!

Customers are not asking the radio manufacturer
for tech support on a sump pump or a tractor. The
radio cannot effectively be used without a
computer and the software that runs on it. The
manufacturer advertises the radio for use in a
networked environment. It is inconceivable that
the manufacturer does not itself use the radio
with a computer, including various software

products, for its own development and testing activities. It is perfectly reasonable for customers to expect the manufacturer to support the equipment in the environment in which it is actually used, particularly where compatibility with that environment was advertised to induce the customer to buy in the first place.

Moreover, there's nothing wrong with a customer, or even a non-customer, complaining about the manufacturer's no-technical-support business model. In my view, Jaun is providing a useful public service by warning potential customers (i.e., me) that technical support may not be forthcoming from this manufacturer. And there's value in letting the manufacturer know what Juan, as a customer, desires.

> After all, if we were tinkering with a
> transmitter and noted that the trusty old Bird
> 43 was not working properly, few of us would
> pick up the phone and call Yaesu for help with
> it.

That's a disingenuously contrived example.

Yeasu customers might well call Yaesu tech support if their Yaesu radio which contains an automatic antenna tuner would not tune an antenna which was within the tuning range of the tuner, as reported by their apparently-working Bird 43, even though Yaesu did not make the wattmeter, the feedline, or the antenna. I have had personal experience calling another Japanese manufacturer in a very similar situation, and support was cheerfully given.

> Apache makes its corporate position abundantly
> clear on its website: "Apache Labs currently
> does not produce, endorse, or supply any
> particular SDR software for the Apache Labs
> Transceivers." The buyer is, or should be,
> aware of this going in.

Honda doesn't build roads either, but automobile purchasers still reasonably expect them to address a suspension problem that becomes evident on bumpy roads. Honda doesn't say, "What? You drove our car on a BRIDGE? We don't know anything about BRIDGES! Direct your all your questions to the people who made the bridge."

> [...] Which is saying, I guess, that SDR is not
> for appliance operators. [...]

More nonsense. At least one other maker of SDR transceivers is exactly positioning its equipment and paired software, in the marketplace, as complete, working, supported products, just like those of the big three Japanese vendors. Even if Apache may not be doing that, the general proposition that SDR is not for appliance operators is false, at least if you believe what one manufacturer is advertising to the public.

73

--Neil Ormos N9NL

480. Re: [sdr-users] Re: TELEPHONE CUSTOMER SUPPORT/ APACHE LABS PRODUCTS, REPAIR, SERVICE AND DEALERS

Yahoo group: sdr-users
Date: 2013-07-24 16:29:25 UTC
From: William H. Fite
Topic: 475 Message: 480
Attachments: 1 described; binary payloads are missing from this source WARC

A good point, Rick. I've said all I'm going to say on the subject. [?]

--
I can explain it for you, but I can't comprehend it for you.

481. Re: [sdr-users] Re: TELEPHONE CUSTOMER SUPPORT/ APACHE LABS PRODUCTS, REPAIR, SERVICE AND DEALERS

Yahoo group: sdr-users
Date: 2013-07-24 16:36:39 UTC
From: Chris Smith
Topic: 475 Message: 481

OK. Here is my 3 cents worth:

Perhaps this isn't the correct forum for support of the Apache Labs products. As these products are based on equipment developed from HPSDR kit the proper forum, to my way of thinking, is the openHPSDR reflector where there is a wealth of experience and knowledge.

But I agree with William that some people's support expectations are unreasonable.

73

Chris G4NUX

On 24 Jul 2013, at 17:26, "William H. Fite" <omniryx@...> wrote:

> Well goodness gracious, Neil, I hope you feel better for having gotten that off your chest. Tums might help, too.
>
>
> If you want to put forward unrealistic expectations and then fault manufacturers for not meeting them, go right ahead. The rest of us will just go on having fun.
>
> --
> I can explain it for you, but I can't comprehend it for you.
>
>

482. Re: [sdr-users] Re: TELEPHONE CUSTOMER SUPPORT/ APACHE LABS PRODUCTS, REPAIR, SERVICE AND DEALERS

Yahoo group: sdr-users
Date: 2013-07-24 16:39:05 UTC
From: Daniel C. Baral
Topic: 475 Message: 482

Looks more like 2 cents worth....heee heee...I'm a trouble maker.... w3dcb Daniel -----
Original Message -----
| OK. Here is my 3 cents worth:
| Perhaps this isn't the correct forum for support of the Apache Labs
| products. As these products are based on equipment developed from
| HPSDR kit the proper forum, to my way of thinking, is the openHPSDR
| reflector where there is a wealth of experience and knowledge.
| But I agree with William that some people's support expectations are
| unreasonable.
| 73
| Chris G4NUX
| On 24 Jul 2013, at 17:26, "William H. Fite" <omniryx@...> wrote:
| > Well goodness gracious, Neil, I hope you feel better for having
| > gotten that off your chest. Tums might help, too.
| >
| >
| > If you want to put forward unrealistic expectations and then fault
| > manufacturers for not meeting them, go right ahead. The rest of us
| > will just go on having fun.
| >
| > --
| > I can explain it for you, but I can't comprehend it for you.
| >
| >
| ------------------------------------
| Yahoo! Groups Links
| Individual Email | Traditional
| http://docs.yahoo.com/info/terms/

483. Re: [sdr-users] Re: TELEPHONE CUSTOMER SUPPORT/ APACHE LABS PRODUCTS, REPAIR, SERVICE AND DEALERS

Yahoo group: sdr-users
Date: 2013-07-24 16:58:39 UTC
From: William H. Fite
Topic: 475 Message: 483
Attachments: 1 described; binary payloads are missing from this source WARC

When we get wound up and go over the top, the best thing to do is laugh at ourselves and climb back down out of our pulpits. But sometimes we need a reminder, as Rick did for me a few minutes ago.

I now resume my usual placid, near-bovine demeanor.

Bill

Laughter is nearly always the best medicine. [?]

--
I can explain it for you, but I can't comprehend it for you.

484. TELEPHONE CUSTOMER SUPPORT/ APACHE LABS PRODUCTS, REPAIR, SERVICE AND DEALERS

Yahoo group: sdr-users
Date: 2013-07-24 22:41:50 UTC
From: sdr.users
Topic: 475 Message: 484

Dear friend Abhi,

Again thank you for your prompt reply.

As I have written to you before, there are many of us that would like to see your company and your brand succeed in the marketplace.

It is not my intention to tell you how to run your business. However, I am presenting my ideas and that of others as Customers and Users of Apache Labs products with the intention of providing a different perspective from the one that you may be looking at. Ours, may be different, and at the same time, being different, perhaps more challenging.

As I mentioned in an earlier private communication: "Good communications skills are essential to maintaining the strong bonds of loyalty and trust necessary to succeed in today's world market.

These Communications Skills are always an important part of true great leadership.

This is very difficult among persons with different nationalities, levels of education, different mother languages, cultures, customs and religions.

Inadequate communications, insufficient communications or an absence of communications can terribly damage business relationships and specially with very valuable associates."

I would like again to say that Software Defined Radio is not only for Experimenter Radio Amateurs but for ALL Radio Amateurs including those, like me, with very limited technical knowledge and experience in electronics, informatics and the functioning/operation of the software that runs the Apache Labs SDR radios, one of which I own.

Neil Ormos N9NL was "right on the money" when he wrote:

"..The radio cannot effectively be used without a
computer and the software that runs on it. The
manufacturer advertises the radio for use in a
networked environment. It is inconceivable that
the manufacturer does not itself use the radio
with a computer, including various software
products, for its own development and testing
activities. It is perfectly reasonable for
customers to expect the manufacturer to support
the equipment in the environment in which it is
actually used, particularly where compatibility
with that environment was advertised to induce the
customer to buy in the first place.

Moreover, there's nothing wrong with a customer,
or even a non-customer, complaining about the
manufacturer's no-technical-support business
model. In my view, Juan is providing a useful
public service by warning potential customers
(i.e., me) that technical support may not be
forthcoming from this manufacturer. And there's
value in letting the manufacturer know what Juan,
as a customer, desires."

Apache Labs Software Defined Radios are NOT Open Source toys. They are transceivers commercially produced and sold by a company, that does business, for profit, and therefore, has responsibilities to its customers. Apache Labs may have elected to limit their Customer Support as per their business strategy, specifically defined in their Warranty Service and Repair document: https://apache-labs.com/al-pages/1005/WarrantyService-and-Repair.html . Apache Labs customer support strategy may fit their business plan objectives, but may limit the usefulness of their products by their customers if implemented as written. In fact, it may be excluding as potential customers, most of the non-experimenter Radio Amateurs that could be interested in purchasing a Software Defined Radio.

The term Appliance Operators is an elitist label placed on younger, newer, non technical Radio Amateurs by a small choir of militant participants in these Forums and User Groups, who have a very narrow interest in Amateur Radio and who appear to want to diminish and ridicule the interest of the many to learn and acquire knowledge, discouraging the access of new blood and ideas into our hobby. They are the purchasers of 95% of the commercially sold amateur radios.

Faithfully yours and 73,

Juan /K4LCD - https://sites.google.com/site/k4lcdars/
http://groups.yahoo.com/group/sdr-users/

485. CUSTOMER SUPPORT FOR APACHE LABS PRODUCTS, REPAIR/ SERVICE AND DEALER

Yahoo group: sdr-users
Date: 2013-07-25 09:31:24 UTC
From: sdr.users
Topic: 485 Message: 485

From: http://groups.yahoo.com/group/apache-labs/message/5730

Dear Neal,

You are attempting to change the conversation. This discussion is between Owners/Users of Apache Labs products and Apache Labs.

The only fact is that up to two days ago, Apache Labs had a trusted Telephone Customer Technical Support person Ken Hopper N9VV in the United States, and that now they do not have him or anyone. Ken tried to help me and many other customers have their Apache Labs experience successful, including all the software support, without which their radios will not work. Again, Apache Labs has suspended ALL Telephone Customer Technical Support in the United States.

In his latest posting Apache Labs postpones giving definite answers to our legitimate queries by writing: "The current pricing simply does not build in software support costs, of course we can provide support.." and follows: "Anyhow I think I have a solution which might work out well for everyone, will update the group shortly..".

And, as nine year User of Flex-Radio I will disagree with the image that you present of the telephone technical support of Flex-Radio. I wrote in my initial posting:

"I would not be a customer of Apache Labs, had it not been, for the telephone customer support that I initially received almost ten years ago from Ken Hopper N9VV (at that time the Flex-Radio telephone support person) when he helped me set up my first SDR transceiver, a Flex SDR-1000. And later for the continuing excellent telephone support that I continued to receive from Dudley Hurry
through my years of ownership of my Flex 5000. This telephone customer support went beyond the actual hardware, Flex-Radio's Firmware, and SDR software, but even extended at times, to issues of my PC, VAC and DIGI modes." When I purchased my used 5000A w/2ndRX Dudley Hurry even suggested that I buy the desktop Gateway Quattro (new for $400.00) that own. I still own it and successfully run PowerSDRmRX and my ANAN 100D.

Neal, During those years, I never felt that I needed to consider or considered using/purchasing your services.

Sincerely and 73,

Juan /K4LCD - https://sites.google.com/site/k4lcdars/
https://sites.google.com/site/k4lcdars/ http://groups.yahoo.com/group/sdr-users/

--- In apache-labs@yahoogroups.com, Neal Campbell <nealk3nc@...> wrote:
>
> Juan,
>
> I agree with the need for support of the holistic environment and since

> 2010 I have done that type of service. At that time, Flex Radio made a
> decision on what they could and would actively support and what role(s)
> they would let outside parties perform for their customers. Flex's decision
> was that they could afford to only support the hardware and software
> defects of PowerSDR. They designed their "FlexReady(☐)" program where
> vendors could qualify to provide more specific services as well as
> computers.
>
> I have been doing that since 2010 and for a single person business it has
> been quite an exciting opportunity.
>
> The program has worked (in my opinion) because no one is very protective of
> their responsibilities: if they have a problem that appears to be related
> to PowerSDR but later turns out to be a problem with their PC, Flex's
> excellent support guys go the extra mile and help solve the problem.
> Likewise, I do the same when its hardware-related. We have done this for
> the last 4 years and its worked really well (although the Flex guys are
> very very busy).
>
> I doubt that Apache Labs can afford to offer a more comprehensive support
> other than hardware support and some software package similar to PSDR,
> which is what they recently announced with sponsorship of cuSDR (or a
> specialized version for AL). Especially with the price they are selling
> their radios, there isn't a great deal of margin in there to pay for other
> areas, I suspect.
>
> It would make sense that they develop a network of service suppliers that
> can fill in the blanks, at a cost to the customer. I have found very few
> customers who ever argued that I was overcharging for my services or
> computers, I suspect those people never seriously considered using me
> anyway so they didn't waste their time nor mine.
>
> I am a proud owner of an Anan100D and the operating environment is exactly
> my area of expertise so I humbly offer my services to Apache Labs and you.
> They need other partners in various regions to offer similar services. I
> cannot imagine another way that would have a chance of success.
>
> Sorry for the blatant advertisement but this is something I have thought
> about quite a bit since buying my 100D.
> 74
> Neal Campbell
> Abroham Neal LLC
>
>
>
>
> On Wed, Jul 24, 201Juan3 at 6:31 PM, k4lcd@... <
> k4lcd@...> wrote:
>

> > **
> >
> >
> > Dear friend Abhi,
> >
> >
> > Again thank you for your prompt reply.
> >
> > As I have written to you before, there are many of us that would like to
> > see your company and your brand succeed in the marketplace.
> >
> > It is not my intention to tell you how to run your business. However, I am
> > presenting my ideas and that of others as Customers and Users of Apache
> > Labs products with the intention of providing a different perspective from
> > the one that you may be looking at. Ours, may be different, and at the same
> > time, being different, perhaps more challenging.
> >
> > As I mentioned in an earlier private communication: "Good communications
> > skills are essential to maintaining the strong bonds of loyalty and trust
> > necessary to succeed in today's world market.
> > These Communications Skills are always an important part of true great
> > leadership.
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> > This is very difficult among persons with different nationalities, levels
> > of education, different mother languages, cultures, customs and religions.
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> > Inadequate communications, insufficient communications or an absence of
> > communications can terribly damage business relationships and specially
> > with very valuable associates."
> >
> > I would like again to say that Software Defined Radio is not only for
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> > like me, with very limited technical knowledge and experience in
> > electronics, informatics and the functioning/operation of the software that
> > runs the Apache Labs SDR radios, one of which I own.
> >
> > Neil Ormos N9NL was "right on the money" when he wrote:
> >
> > "..The radio cannot effectively be used without a
> > computer and the software that runs on it. The
> > manufacturer advertises the radio for use in a
> > networked environment. It is inconceivable that
> > the manufacturer does not itself use the radio
> > with a computer, including various software
> > products, for its own development and testing
> > activities. It is perfectly reasonable for
> > customers to expect the manufacturer to support
> > the equipment in the environment in which it is
> > actually used, particularly where compatibility

> > with that environment was advertised to induce the
> > customer to buy in the first place.
> >
> > Moreover, there's nothing wrong with a customer,
> > or even a non-customer, complaining about the
> > manufacturer's no-technical-support business
> > model. In my view, Juan is providing a useful
> > public service by warning potential customers
> > (i.e., me) that technical support may not be
> > forthcoming from this manufacturer. And there's
> > value in letting the manufacturer know what Juan,
> > as a customer, desires."
> >
> > Apache Labs Software Defined Radios are NOT Open Source toys. They are
> > transceivers commercially produced and sold by a company, that does
> > business, for profit, and therefore, has responsibilities to its customers.
> > Apache Labs may have elected to limit their Customer Support as per their
> > business strategy, specifically defined in their Warranty Service and
> > Repair document:
> > https://apache-labs.com/al-pages/1005/WarrantyService-and-Repair.html .
> > Apache Labs customer support strategy may fit their business plan
> > objectives, but may limit the usefulness of their products by their
> > customers if implemented as written. In fact, it may be excluding as
> > potential customers, most of the non-experimenter Radio Amateurs that could
> > be interested in purchasing a Software Defined Radio.
> >
> > The term Appliance Operators is an elitist label placed on younger, newer,
> > non technical Radio Amateurs by a small choir of militant participants in
> > these Forums and User Groups, who have a very narrow interest in Amateur
> > Radio and who appear to want to diminish and ridicule the interest of the
> > many to learn and acquire knowledge, discouraging the access of new blood
> > and ideas into our hobby. They are the purchasers of 95% of the
> > commercially sold amateur radios.
> >
> > Faithfully yours and 73,
> >
> >
> > Juan /K4LCD - https://sites.google.com/site/k4lcdars/
> > http://groups.yahoo.com/group/sdr-users/
> >
> >
> > --- In apache-labs@yahoogroups.com, "abhiarunoday16" <abhiarunoday16@>
> > wrote:
> > >
> > > Juan,
> > >
> > > I am sorry but Apache does not provide software support nor did you pay
> > for it when you bought the radio, this may change in the near future, the
> > support Ken provided was above and beyond the call of duty,

> > >
> > > Apache sells from India and our customers are well aware of this fact,
> > even though the customer is geographically separated from us I can assure
> > you that there will be more than a few folks who will testify to the swift
> > service provided by Apache, I think we have been more than fair in our
> > business dealings,
> > >
> > >
> > > > TDB meas "To be determined". Yet, you provide the telephone number >of
> > your offices in India and your Email in India. I respectfully >suggest that
> > TBD should be changed with a definite commitment with >dates that will me
> > met,names and addresses and telephone numbers , >when all these services
> > will be provided in the United States.
> > >
> > > We can only commence operations in the US once the visas and clearances
> > are in place, I cannot change the TBD factors or establish the timelines
> > for the simple reason that I have no control over these processes,
> > >
> > > > It is troublesome to me, as a customer/user, that Apache Labs
> > >business model will not provide any customer support to the issues >of the
> > PCs, VAC, SDR software, DIGI modes, etc. that run and are >used in the
> > Apache Labs Radios.
> > >
> > > I am not sure if you are being fair here! would you expect Windows &
> > third party software support from a laptop/PC manufacturer?
> > >
> > > Warranty repairs are as per our stated terms:
> > >
> > > https://apache-labs.com/al-pages/1005/WarrantyService-and-Repair.html
> > >
> > > Doug is not going to deal directly with customers, think of him as a US
> > based service center, your RMA will still need to be generated by
> > contacting Apache Support,
> > >
> > >
> > > 73s,
> > > Abhi
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > > --- In apache-labs@yahoogroups.com, "k4lcd@" <k4lcd@> wrote:
> > > >
> > > > Thank you Abhi and good morning.
> > > >
> > > > Please understand that Software Defined Radio is not only for

> > Experimenter Radio Amateurs but for ALL Radio Amateurs including those,
> > like me with very technical knowledge in electronics, informatics and the
> > functioning/operation of the software that runs the Apache Labs SDR radios,
> > one of which I own.
> > > >
> > > > I would not be a customer of Apache Labs, had it not been, for the
> > telephone customer support that I initially received almost ten years ago
> > from Ken Hopper N9VV (at that time the Flex-Radio telephone support person)
> > when he helped me set up my first SDR transceiver, a Flex SDR-1000. And
> > later for the continuing excellent telephone support that I continued to
> > receive from Dudley Hurry through my years of ownership of my Flex 5000.
> > This telephone customer support went beyond the actual hardware,
> > Flex-Radio's Firmware, and SDR software, but even extended at times, to
> > issues of of my PC, VAC and DIGI modes.
> > > >
> > > > It is troublesome to me, as a customer/user, that Apache Labs business
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> > SDR software, DIGI modes, etc. that run and are used in the Apache Labs
> > Radios.
> > > >
> > > > TDB meas "To be determined". Yet, you provide the telephone number of
> > your offices in India and your Email in India. I respectfully suggest that
> > TBD should be changed with a definite commitment with dates that will me
> > met,names and addresses and telephone numbers , when all these services
> > will be provided in the United States.
> > > >
> > > > On the issue of Repairs and Service, I still want to learn about what
> > services would be provided by Doug, Warranty, Out of Warranty, what fees
> > costs would be charged in either case, what would be the turn around time
> > on repairs, and for how long will Apache Labs business plan contemplates
> > the technical support of its products?
> > > >
> > > > Again thank you for your prompt reply.
> > > >
> > > > With kindest regards, 73
> > > >
> > > > Juan /K4LCD - https://sites.google.com/site/k4lcdars/
> > > > https://sites.google.com/site/k4lcdars/
> > http://groups.yahoo.com/group/sdr-users/
> > > >
> > > > --- In apache-labs@yahoogroups.com, "abhiarunoday16" <abhiarunoday16@>
> > wrote:
> > > > >
> > > > > Hello Juan,
> > > > >
> > > > > Please see my answers inline below:
> > > > >
> > > > > > >
> > > > > > Dear Abhi,

> > > > > >
> > > > > > > 1. Where can we get the new telephone support for the many
> > technical and operational issues pertaining to the Apache-Labs products
> > that we own and that Ken Hopper N9VV has been providing to us long before
> > we purchased them? Please provide us the name of the new person, telephone
> > number and Email.
> > > > > >
> > > > > > Contact support@ or call on our contact numbers
> > +91-124-4245173/74/75
> > > > > >
> > > > > > > 2. Exactly what services will these distributors be performing for
> > the purchasers of Apache Labs Products. Who are they?
> > > > > >
> > > > > > Sales & Service, we will update the distributor details once the
> > agreements are in place
> > > > > > >
> > > > > > > > 3. Where will your U.S. Offices be located that you plan to open
> > in the near future? Will you have a distribution warehouse adjacent to it?
> > > > > > > How many employees will staff your U.S. office? Please provide us
> > address and telephone number if available.
> > > > > >
> > > > > > TBD
> > > > > > >
> > > > > > > > 4. Please describe to us the Repairs and Service tasks that Doug
> > W5WC will be performing. Warranty? Out of warranty? Service fees? Other
> > fees and costs? How may we contact Doug.
> > > > > >
> > > > > > You do not contact Doug, please contact Apache Support
> > > > > > >
> > > > > > > > 5. What Legal and Visa formalities are pending. Can anyone of us
> > be of help?
> > > > > >
> > > > > > Thank you, I don't think there are any bumps that I foresee, it's
> > just that we have to wait for the necessary approvals :)
> > > > > >
> > > > > > 73s,
> > > > > > Abhi
> > > > > > >
> > > > > > > 73
> > > > > > >
> > > > > > > > Juan /K4LCD - https://sites.google.com/site/k4lcdars/
> > > > > > > > https://sites.google.com/site/k4lcdars/
> > http://groups.yahoo.com/group/sdr-users/
> > > > > > > >
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>

486. NEW CUSTOMER SUPPORT FOR APACHE LABS PRODUCTS, REPAIR AND SERVICE AND DEALER

Yahoo group: sdr-users
Date: 2013-07-25 12:16:57 UTC
From: sdr.users
Topic: 474 Message: 486

From: http://groups.yahoo.com/group/apache-labs/message/5741

Good morning and thank you Abhi.

Please understand, I will not communicate with your company "privately", since it involves your company's obligations to ALL the owners of Apache Labs products that PAID for their radios.

We are waiting for your announcement. You wrote: "Anyhow I think I have a solution which might work out well for everyone..".

Sincerely and 73,

Juan /K4LCD - https://sites.google.com/site/k4lcdars/
http://groups.yahoo.com/group/sdr-users/

--- In apache-labs@yahoogroups.com, "abhiarunoday16" <abhiarunoday16@...> wrote:
>
> Juan,
>
> Discussion is closed, please email me directly with any concerns you may have,
>
> 73s,
> Abhi
>
> --- In apache-labs@yahoogroups.com, "k4lcd@" <k4lcd@> wrote:
> >
> > Good morning Helmut,
> >
> > The only parties to this discussion are the Purchasers/Owners/Users of the Apache Labs Radios and the Apache Labs Private Limited, the manufacturer of the radios that we have purchased.
> >
> > And Helmut, please understand, that no one, during these discussions has even though of suggesting that the HPSDR Group should assume any of the Technical Customer Telephone Support responsibilities of Apache Labs Private Limited.
> >
> > To quote again Neil Ormos N9NL:
> >
> > "..The radio cannot effectively be used without a
> > computer and the software that runs on it. The
> > manufacturer advertises the radio for use in a
> > networked environment. It is inconceivable that
> > the manufacturer does not itself use the radio
> > with a computer, including various software

> > products, for its own development and testing
> > activities. It is perfectly reasonable for
> > customers to expect the manufacturer to support
> > the equipment in the environment in which it is
> > actually used, particularly where compatibility
> > with that environment was advertised to induce the
> > customer to buy in the first place.
> >
> > Moreover, there's nothing wrong with a customer,
> > or even a non-customer, complaining about the
> > manufacturer's no-technical-support business
> > model. In my view, Juan is providing a useful
> > public service by warning potential customers
> > (i.e., me) that technical support may not be
> > forthcoming from this manufacturer. And there's
> > value in letting the manufacturer know what Juan,
> > as a customer, desires."
> >
> > With my kindest regards,
> >
> > Juan /K4LCD - https://sites.google.com/site/k4lcdars/
> > http://groups.yahoo.com/group/sdr-users
> >
> >
> >
> >
> > --- In apache-labs@yahoogroups.com, "helmutoeller" <helmutoeller@> wrote:
> > >
> > > Hi guys,
> > >
> > > I've really problems to understand this strange discussion. Please keep in mind that all ANANs would not exist without all the volunteer's former and current developments of software and hardware of the global HPSDR group. Thanks god it's an open source project. Anybody can contribute or participate free of license charges etc. Fortunately we met Abhi or Apache Lab, who has the competence and the resources to produce the necessary hardware according to international industrial standards. Moreover Apache Lab seems willing to proceed with future projects around HPSDR, which is a big advantage. Don't overload these guys with tasks, they are not responsible for.
> > >
> > > 73, Helmut, DC6NY
> > >
> > >
> > > --- In apache-labs@yahoogroups.com, "k4lcd@" <k4lcd@> wrote:
> > > >
> > > > Good morning Matt and thank you.
> > > >
> > > > I remember your trip to Dayton from Alabama, for the sole purpose of giving you cash to the Apache Labs Principals to purchase your new ANAN, and finding an unmanned booth...!
> > > >

> > > > Did anyone from the Apache Labs Company, home office follow up, contacting you directly to give you an explanation?
> > > >
> > > > With kindest regards, 73
> > > >
> > > >
> > > > Juan /K4LCD - https://sites.google.com/site/k4lcdars/
> > > > http://groups.yahoo.com/group/sdr-users/
> > > >
> > > >
> > > > --- In apache-labs@yahoogroups.com, "hmattcole@" <hmattcole@> wrote:
> > > > >
> > > > > Juan,
> > > > >
> > > > > Subject: Software training and support.
> > > > >
> > > > > This has always been one of the "red" flags for me. There are many
> > > > > positives with ANAN in the SDR market, but when the manufacturer
> > > > > is only responsible for the hardware then the software
> > > > > support will not be there. We are dealing with some very bright
> > > > > software engineers that write and test the software, but they don't
> > > > > plan to offer training and instruction.
> > > > >
> > > > > If you want a company that will offer both software support as well as hardware support, then you might better consider going back to Flex.
> > > > >
> > > > > Maybe a user like Ken would want to provide software support for a
> > > > > fee, but I don't look to Abhi to do so since he did not write the
> > > > > software. There is no "support" marriage between the software
> > > > > and the hardware in an ANAN rig. That is something a buyer needs
> > > > > to be fully aware of before his purchase.
> > > > >
> > > > > That is why I have been very slow in my decision.
> > > > >
> > > > > Good success,
> > > > >
> > > > > Matthew-KJ4TN

487. Re: TELEPHONE CUSTOMER SUPPORT/ APACHE LABS PRODUCTS, REPAIR, SERVICE AND DEALERS

Yahoo group: sdr-users
Date: 2013-07-25 15:46:30 UTC
From: bluewaterpro
Topic: 473 Message: 487

Juan,

in all fairness, if a company identifies the products it provides as as being for experimenters (which is clearly also reflected in their pricing)how can you expect consumer level support on issues including PC and software configuration?

Apache Labs provides some great technology on an open source platform. They are not ready for prime time consumer support. If you want that, buy a Flex, pay for the support and overhead, you will be satisfied.

As much as many would like to have their cake and eat it to, the fact is that Apache Labs is for experimenters and that is that.

Matt W1MBB

--- In sdr-users@yahoogroups.com, "sdr.users" <sdr.users@...> wrote:
>
> Thank you Abhi and good morning.
>
> Please understand that Software Defined Radio is not only for Experimenter Radio Amateurs but for ALL Radio Amateurs including those, like me with very technical knowledge in electronics, informatics and the functioning/operation of the software that runs the Apache Labs SDR radios, one of which I own.
>
> I would not be a customer of Apache Labs, had it not been, for the telephone customer support that I initially received almost ten years ago from Ken Hopper N9VV (at that time the Flex-Radio telephone support person) when he helped me set up my first SDR transceiver, a Flex SDR-1000. And later for the continuing excellent telephone support that I continued to receive from Dudley Hurry through my years of ownership of my Flex 5000. This telephone customer support went beyond the actual hardware, Flex-Radio's Firmware, and SDR software, but even extended at times, to issues of my PC, VAC and DIGI modes.
>
> It is troublesome to me, as a customer/user, that Apache Labs business model will not provide any customer support to the issues of the PCs, VAC, SDR software, DIGI modes, etc. that run and are used in the Apache Labs Radios.
>
> TDB means "To be determined". Yet, you provide the telephone number of your offices in India and your Email in India. I respectfully suggest that TBD should be changed with a definite commitment with dates that will me met, names and addresses and telephone numbers, when all these services will be provided in the United States.
>
> On the issue of Repairs and Service, I still want to learn about what services would be provided by Doug, Warranty, Out of Warranty, what fees costs would be charged in either case, what would be the turn around time on repairs, and for how long will Apache Labs business plan contemplates the technical support of its products?

>
> Again thank you for your prompt reply.
>
> With kindest regards, 73
>
> Juan /K4LCD - https://sites.google.com/site/k4lcdars/
> https://sites.google.com/site/k4lcdars/ http://groups.yahoo.com/group/sdr-users/
>
>
> On 07/24/2013 10:34 AM, abhiarunoday16 wrote:
> >
> > Hello Juan,
> >
> > Please see my answers inline below:
> >
> > >
> > > Dear Abhi,
> > >
> > > 1. Where can we get the new telephone support for the many technical and operational issues pertaining to the Apache-Labs products that we own and that Ken Hopper N9VV has been providing to us long before we purchased them? Please provide us the name of the new person, telephone number and Email.
> >
> > Contact support@... or call on our contact numbers +91-124-4245173/74/75
> >
> > > 2. Exactly what services will these distributors be performing for the purchasers of Apache Labs Products. Who are they?
> >
> > Sales & Service, we will update the distributor details once the agreements are in place
> > >
> > > 3. Where will your U.S. Offices be located that you plan to open in the near future? Will you have a distribution warehouse adjacent to it?
> > > How many employees will staff your U.S. office? Please provide us address and telephone number if available.
> >
> > TBD
> > >
> > > 4. Please describe to us the Repairs and Service tasks that Doug W5WC will be performing. Warranty? Out of warranty? Service fees? Other fees and costs? How may we contact Doug.
> >
> > You do not contact Doug, please contact Apache Support
> > >
> > > 5. What Legal and Visa formalities are pending. Can anyone of us be of help?
> >
> > Thank you, I don't think there are any bumps that I foresee, it's just that we have to wait for the necessary approvals :)
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> > 73s,

> > Abhi
> > >
> > > 73
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> > > Juan /K4LCD - https://sites.google.com/site/k4lcdars/
> > > https://sites.google.com/site/k4lcdars/ http://groups.yahoo.com/group/sdr-users/
>

488. Re: TELEPHONE CUSTOMER SUPPORT/ APACHE LABS PRODUCTS, REPAIR, SERVICE AND DEALERS

Yahoo group: sdr-users
Date: 2013-07-25 17:12:23 UTC
From: EverStaR
Topic: 473 Message: 488

The debate has no traction for me, one cant realistically argue for support they didn't pay for.

Ask the competition if they would even consider reducing their price by $4000 if you support yourself. Ask if they would even drop $1000 off the price if you support yourself. We could go on to a Flex reflector and make an equally unrealistic argument as do it yourselfers that we should not have to pay for support we don't use.

That's why deals have terms and if you don't like the terms you shouldn't enter into the deal.

If this is a crusade to get more help you have to consider that there are just not many of us that want to mess with the price value proposition we get when buying a bleeding edge radio like the Anan 100D.

No thank you, I will just hang on to my savings and use them else where.

This whole thing should be dropped in my humble opinion.

If not, then what is it you are really asking for here? Support that was not paid for? I will gladly back Apache and say, don't do it! It will only drive you out of business and ultimately hurt hams who understood the value proposition of your products.

If you want to pay for the support, there are options available, just pursue one of those.

73!
NI0Z

--- In sdr-users@yahoogroups.com, "bluewaterpro" <bluewaterpro@...> wrote:
>
> Juan,
>
> in all fairness, if a company identifies the products it provides as as being for experimenters (which is clearly also reflected in their pricing)how can you expect consumer level support on issues including PC and software configuration?
>
> Apache Labs provides some great technology on an open source platform. They are not ready for prime time consumer support. If you want that, buy a Flex, pay for the support and overhead, you will be satisfied.
>
> As much as many would like to have their cake and eat it to, the fact is that Apache Labs is for experimenters and that is that.
>
> Matt W1MBB
>
>

> --- In sdr-users@yahoogroups.com, "sdr.users" <sdr.users@> wrote:
> >
> > Thank you Abhi and good morning.
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> > Please understand that Software Defined Radio is not only for Experimenter Radio Amateurs but for ALL Radio Amateurs including those, like me with very technical knowledge in electronics, informatics and the functioning/operation of the software that runs the Apache Labs SDR radios, one of which I own.
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> > I would not be a customer of Apache Labs, had it not been, for the telephone customer support that I initially received almost ten years ago from Ken Hopper N9VV (at that time the Flex-Radio telephone support person) when he helped me set up my first SDR transceiver, a Flex SDR-1000. And later for the continuing excellent telephone support that I continued to receive from Dudley Hurry through my years of ownership of my Flex 5000. This telephone customer support went beyond the actual hardware, Flex-Radio's Firmware, and SDR software, but even extended at times, to issues of my PC, VAC and DIGI modes.
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> >
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> >
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> >
> >
> > On 07/24/2013 10:34 AM, abhiarunoday16 wrote:
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> > > Hello Juan,
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> > > Please see my answers inline below:
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> > > >
> > > > Dear Abhi,
> > > >
> > > > 1. Where can we get the new telephone support for the many technical and operational issues pertaining to the Apache-Labs products that we own and that Ken Hopper

N9VV has been providing to us long before we purchased them? Please provide us the name of the new person, telephone number and Email.
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> > > Contact support@ or call on our contact numbers +91-124-4245173/74/75
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> > >
> > > 73s,
> > > Abhi
> > > >
> > > > 73
> > > >
> > > > Juan /K4LCD - https://sites.google.com/site/k4lcdars/
> > > > https://sites.google.com/site/k4lcdars/ http://groups.yahoo.com/group/sdr-users/
> >
>

489. NEW SUBJECT: Anyone else have an Afedri with an issue?

Yahoo group: sdr-users
Date: 2013-07-25 20:46:47 UTC
From: <george@...>
Topic: 489 Message: 489

?I have a wonderful Afedri that installs perfectly on my laptop; however, it will not install my Dell Win8 desktop.

Actually it installs; but, the software will not communicate correctly with the Afedri and I see garbage on the display. ?It appear to me that the driver was not installed correctly; however, I cannot find a driver on the system to delete.

I have contacted the "factory"; but, am unable to get the issue resolved. ?I have lived with the problem for a while since I can use the laptop; but, now would like to use it on my desktop.

Has anyone else had this issue?

Thanks

George
K2CM

490. RE: [sdr-users] NEW SUBJECT: Anyone else have an Afedri with an issue?

Yahoo group: sdr-users
Date: 2013-07-25 21:01:18 UTC
From: Simon GD4ELI/HB9DRV
Topic: 489 Message: 490

George,

Why not use the Ethernet connection?

Simon GD4ELI/HB9DRV

http://v2.sdr-radio.com/

From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of george@...
Sent: 25 July 2013 22:47
To: sdr-users@yahoogroups.com
Subject: [sdr-users] NEW SUBJECT: Anyone else have an Afedri with an issue?

I have a wonderful Afedri that installs perfectly on my laptop; however, it will not install my Dell Win8 desktop.

Actually it installs; but, the software will not communicate correctly with the Afedri and I see garbage on the display. It appear to me that the driver was not installed correctly; however, I cannot find a driver on the system to delete.

I have contacted the "factory"; but, am unable to get the issue resolved. I have lived with the problem for a while since I can use the laptop; but, now would like to use it on my desktop.

< div>

Has anyone else had this issue?

Thanks

George

K2CM

491. Re: [sdr-users] NEW SUBJECT: Anyone else have an Afedri with an issue?

Yahoo group: sdr-users
Date: 2013-07-25 21:26:01 UTC
From: John B. Cundiff Jr.
Topic: 491 Message: 491

Yes ..I get a sound card error on start up ...
?

On 07/25/13, george@... wrote:
?

?I have a wonderful Afedri that installs perfectly on my laptop; however, it will not install my Dell Win8 desktop.

Actually it installs; but, the software will not communicate correctly with the Afedri and I see garbage on the display. ?It appear to me that the driver was not installed correctly; however, I cannot find a driver on the system to delete.

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Has anyone else had this issue?

Thanks

George
K2CM

492. Re: NEW SUBJECT: Anyone else have an Afedri with an issue?

Yahoo group: sdr-users
Date: 2013-07-25 21:30:28 UTC
From: vasiliy_k3it
Topic: 489 Message: 492

May be because ip configuration is not so easy on afedri?

George
Afedri should appear as a standard USB sound device using the built in windows drivers.
What exact error do you get?

Did you try posting to the Afedri yahoo group?

73
Vasiliy

--- In sdr-users@yahoogroups.com, "Simon GD4ELI/HB9DRV" <simon@...> wrote:
>
> George,
>
>
>
> Why not use the Ethernet connection?
>
>
>
> Simon GD4ELI/HB9DRV
>
> http://v2.sdr-radio.com/
>
>
>
> From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of
george@...
> Sent: 25 July 2013 22:47
> To: sdr-users@yahoogroups.com
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> Thanks
>
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>
> George
>
> K2CM
>

493. TELEPHONE CUSTOMER SUPPORT/ APACHE LABS PRODUCTS, REPAIR, SERVICE AND DEALERS

Yahoo group: sdr-users
Date: 2013-07-25 21:33:42 UTC
From: sdr.users
Topic: 473 Message: 493

Hi Mark and Matt,

You, I and everyone in the world that purchased and paid for an ANAN radio since July 2012, did so knowing that Apache Labs Private Limited had a trusted Customer Support Person in North America. It was advertised at their web site and at their Yahoo User's Group, with his telephone number and his Skype address.

Each of us paid an unspecified part of our purchase price for that North American Customer Support Person and his services. We all had been receiving his Customer Support Services to help make our new SDR Radio experience a very happy one.

Perhaps you did not understand everything that you paid for.

Two days ago Apache Labs Limited, simply ended that prepaid North American Customer Support Service.

And Matt, ALL Licensed Radio Amateurs are Experimenters, of one fashion or another.

And at this Software Defined Radio (SDR) User's Discussion Group we promote the use of SDR by ALL Radio Amateurs.

73

Juan /K4LCD - https://sites.google.com/site/k4lcdars/
https://sites.google.com/site/k4lcdars/ http://groups.yahoo.com/group/sdr-users/

--- In sdr-users@yahoogroups.com, "EverStaR" <nova@...> wrote:
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> That's why deals have terms and if you don't like the terms you shouldn't enter into the deal.
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> If this is a crusade to get more help you have to consider that there are just not many of us that want to mess with the price value proposition we get when buying a bleeding edge radio like the Anan 100D.
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> No thank you, I will just hang on to my savings and use them else where.
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> If not, then what is it you are really asking for here? Support that was not paid for? I will gladly back Apache and say, don't do it! It will only drive you out of business and ultimately hurt hams who understood the value proposition of your products.
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> NI0Z
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> > > > > 3. Where will your U.S. Offices be located that you plan to open in the near future? Will you have a distribution warehouse adjacent to it?
> > > > > How many employees will staff your U.S. office? Please provide us address and telephone number if available.
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> > > > TBD
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> > > > > 4. Please describe to us the Repairs and Service tasks that Doug W5WC will be performing. Warranty? Out of warranty? Service fees? Other fees and costs? How may we

contact Doug.
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> > > > You do not contact Doug, please contact Apache Support
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> > > > >
> > > > Thank you, I don't think there are any bumps that I foresee, it's just that we have to wait for the necessary approvals :)
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> > > > 73s,
> > > > Abhi
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> > > > > Juan /K4LCD - https://sites.google.com/site/k4lcdars/
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> > > >
> > >
>

494. Re: [sdr-users] TELEPHONE CUSTOMER SUPPORT/ APACHE LABS PRODUCTS, REPAIR, SERVICE AND DEALERS

Yahoo group: sdr-users
Date: 2013-07-25 21:45:23 UTC
From: Chris Wilson
Topic: 473 Message: 494

>

> Hi Mark and Matt,

> You, I and everyone in the world that purchased and paid for an
> ANAN radio since July 2012, did so knowing that Apache Labs Private
> Limited had a trusted Customer Support Person in North America. It
> was advertised at their web site and at their Yahoo User's Group,
> with his telephone number and his Skype address.

> Each of us paid an unspecified part of our purchase price for that
> North American Customer Support Person and his services. We all had
> been receiving his Customer Support Services to help make our new
> SDR Radio experience a very happy one.

> Perhaps you did not understand everything that you paid for.

> Two days ago Apache Labs Limited, simply ended that prepaid North
> American Customer Support Service.

> And Matt, ALL Licensed Radio Amateurs are Experimenters, of one fashion or another.

> And at this Software Defined Radio (SDR) User's Discussion Group we
> promote the use of SDR by ALL Radio Amateurs.

> 73

> Juan /K4LCD - https://sites.google.com/site/k4lcdars/
> https://sites.google.com/site/k4lcdars/
> http://groups.yahoo.com/group/sdr-users/

25/07/2013 22:43

I am in the motor trade and thought I had had my fair share of
customers from hell, but you are making me feel they are all angels :)

Sue them, but off list, PLEASE :)

--
Best Regards,
Chris Wilson.

495. Re: [sdr-users] TELEPHONE CUSTOMER SUPPORT/ APACHE LABS PRODUCTS, REPAIR, SERVICE AND DEALERS

Yahoo group: sdr-users
Date: 2013-07-25 21:46:02 UTC
From: Glenn McNeil
Topic: 473 Message: 495
Attachments: 2 described; binary payloads are missing from this source WARC

Hello Juan and the Group,

I simply don't understand your argument Juan...I paid the same amount as
you Guys in the USA (apart from shipping costs) but I live in VK Land.
I'm more than happy to deal direct with Apache Labs should I have a problem.

I don't believe any part of my purchase price was to provide me with "
support ".

We have all seen local support come and go for many AR products. A VK
manufactured HF Amplifier has had many support people in the USA...and
at present, none, if I am correct.

If you don't buy local here from YaeCommWood dealers, you have ZERO
support...don't even bother trying, as they refuse to deal with
you...and this from large companies that sell all over the world.

I think you are flogging a dead horse here.

73
Glenn
VK4BG

> sdr.users <mailto:sdr.users@...>
> Friday, 26 July 2013 7:33 AM
>
>
>
> Hi Mark and Matt,
>
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> radio since July 2012, did so knowing that Apache Labs Private Limited
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> > The debate has no traction for me, one cant realistically argue for
> support they didn't pay for.
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> > Ask the competition if they would even consider reducing their price
> by $4000 if you support yourself. Ask if they would even drop $1000
> off the price if you support yourself. We could go on to a Flex
> reflector and make an equally unrealistic argument as do it
> yourselfers that we should not have to pay for support we don't use.
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> > That's why deals have terms and if you don't like the terms you
> shouldn't enter into the deal.
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> > If this is a crusade to get more help you have to consider that
> there are just not many of us that want to mess with the price value
> proposition we get when buying a bleeding edge radio like the Anan 100D.
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> > No thank you, I will just hang on to my savings and use them else
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> was not paid for? I will gladly back Apache and say, don't do it! It
> will only drive you out of business and ultimately hurt hams who
> understood the value proposition of your products.
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> > If you want to pay for the support, there are options available,
> just pursue one of those.
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> > 73!
> > NI0Z
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> including PC and software configuration?
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> platform. They are not ready for prime time consumer support. If you
> want that, buy a Flex, pay for the support and overhead, you will be
> satisfied.
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>
> EverStaR <mailto:nova@...>
> Friday, 26 July 2013 3:12 AM
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496. Re: TELEPHONE CUSTOMER SUPPORT/ APACHE LABS PRODUCTS, REPAIR, SERVICE AND DEALERS

Yahoo group: sdr-users
Date: 2013-07-25 22:22:40 UTC
From: Leif Asbrink
Topic: 473 Message: 496

Hi All,

The "interesting" discussion in this thread made me aware of
Apache Labs, a company I did not know about before.

The hardware (ANAN-100D) is precisely the hardware for which I
designed Linrad more than one decade ago.
http://www.sm5bsz.com/linuxdsp/linrad.htm

I have seen Hermes and many other things from OpenHPSDR but
it has seemed too unstable from my horizon. I do not wish to
start developing software for a moving target.

Hopefully the ANAN-100D will stay backwards compatible
for a couple of years so any software that will work on the
unit I ordered today will work on units produced within
the next couple of years.

Surely I do not know whether I will be able to get the
unit working at all in Linrad. I have not yet found any
information at all how to communicate via the Ethernet
interface. Presumably it is a trivial problem, but I have not
been able to find out where the functions of the FPGA
code (version xxxx) are defined.

I have written code for SDR-IP without problems because
there is an "Interface Specification" that defines everything.
Is there something similar for the ANAN-100D?

73

Leif / SM5BSZ

497. Re: TELEPHONE CUSTOMER SUPPORT/ APACHE LABS PRODUCTS, REPAIR, SERVICE AND DEALERS

Yahoo group: sdr-users
Date: 2013-07-25 23:03:33 UTC
From: EverStaR
Topic: 473 Message: 497

I really don't believe I paid for North American support.

Apache-labs has expressed they are working on a US office but in no way do I feel I was guaranteed US support.

Sorry if that doesn't coincide with your view of things. Can you point to any reference where US support was guaranteed to you?

73
NI0Z

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> > > > > > > How many employees will staff your U.S. office? Please provide us address and telephone number if available.
> > > > > > >
> > > > > > > TBD
> > > > > > > >
> > > > > > > > 4. Please describe to us the Repairs and Service tasks that Doug W5WC will be performing. Warranty? Out of warranty? Service fees? Other fees and costs? How may we contact Doug.
> > > > > > >
> > > > > > > You do not contact Doug, please contact Apache Support
> > > > > > > > >
> > > > > > > > > 5. What Legal and Visa formalities are pending. Can anyone of us be of help?
> > > > > > > > >
> > > > > > > > > Thank you, I don't think there are any bumps that I foresee, it's just that we have to wait for the necessary approvals :)
> > > > > > > >
> > > > > > > > 73s,
> > > > > > > > Abhi
> > > > > > > > > >
> > > > > > > > > > 73
> > > > > > > > > >
> > > > > > > > > > Juan /K4LCD - https://sites.google.com/site/k4lcdars/
> > > > > > > > > > https://sites.google.com/site/k4lcdars/
http://groups.yahoo.com/group/sdr-users/
> > > > >
> > > > >
> > > >
> > >

498. Re: Apache Ethernet protocol interface specifications

Yahoo group: sdr-users
Date: 2013-07-25 23:18:21 UTC
From: Ken N9VV
Topic: 473 Message: 498

Hi Leif,
how wonderful to have you in this large group.

Yes, VK6APH has been responsible for publishing the USB (OZY-I)
interface and the subsequently Ethernet (Metis) interface. They
are well known and you can find the various revisions and
documentation in the OpenHPSDR.org documentation SVN. I believe
the latest revision is v1.48.

I believe the document you seek is here:
http://openhpsdr.org/support.php#Ozy
<URL: http://openhpsdr.org/support/Ozy/USB_protocol_V1.48.pdf
>

Metis Ethernet interface
Metis production schematic, Rev A2 (TAPR build)
Metis_2011_Jan_29_Rev_A2_Schematic PDF Format
Released under NCL 1.0
Metis production BOM, Rev A2 (TAPR build)
Metis_Bill_Of_Materials_5_Original PDF Format
Metis User Manual
Metis User Manual_V1.4 PDF Format
USB protocol V1.48
Metis - How it works
Metis- How it works_V1.29 PDF Format
HPSDRprogrammer for Metis and firmware on the Download webpage
---

Sure good to know you are adding your considerable Engineering talents
to the base of knowledge of SDR for all of us.

thanks Leif for being here,
73 de Ken N9VV

On 7/25/2013 5:22 PM, Leif Asbrink wrote:
> I have written code for SDR-IP without problems because
> there is an "Interface Specification" that defines everything.
> Is there something similar for the ANAN-100D?
>
> 73
>
> Leif / SM5BSZ
>

499. Re: TELEPHONE CUSTOMER SUPPORT/ APACHE LABS PRODUCTS, REPAIR, SERVICE AND DEALERS

Yahoo group: sdr-users
Date: 2013-07-25 23:19:05 UTC
From: EverStaR
Topic: 473 Message: 499

There is an EXTIO dll being developed by a talented developer, see details including a video of it in action here.

You have a radio here for a mere $3000 that is already out performing its $7000 counterpart. This is a model you DO NOT want to mess with, the upshot of how this is evolving is incredible. You have numerous developers creating awesome software for it world wide.

Jaun, you and I have spoke, your a real nice guy with great goals in mind for young hams and educating them. This is exactly what Abhi is providing. They are not kits, but they are radios that require minds to explore, grow and learn. This is not a valid battle to fight. It has made me personally grow as a ham, and honestly, I needed to despite passing the Extra.

I ask you to let this one go, it's not a worthy battle.

Article on EXTIO here. There is a video link included. Also, see my new Anan reference page and the Unix links. We need to let this platform flourish. The price allows a greater number of hams to buy a ticket to the school of DDC SDR.

EXTIO - http://roaringstar.com/index.php/articles/100-anan-extio-lib. - watch monitoring on 5 bands.

Anan Resource Page - http://roaringstar.com/index.php/articles/106-anan-resource-page - several links to help resources here! Including fast setup settings. Check out what's going on with Linux!

Anan Support Model - http://roaringstar.com/index.php/articles/104-anan-100d-part-6-support - the truth you need to understand before you buy.

Anan Hermes Users Net - http://roaringstar.com/index.php/articles/103-anan-users-net - join the group and fun and talk Hermes and Anan SDRs!

73!
NI0Z

--- In sdr-users@yahoogroups.com, Leif Asbrink <leif@...> wrote:
>
> Hi All,
>
> The "interesting" discussion in this thread made me aware of
> Apache Labs, a company I did not know about before.
>
> The hardware (ANAN-100D) is precisely the hardware for which I
> designed Linrad more than one decade ago.

> http://www.sm5bsz.com/linuxdsp/linrad.htm
>
> I have seen Hermes and many other things from OpenHPSDR but
> it has seemed too unstable from my horizon. I do not wish to
> start developing software for a moving target.
>
> Hopefully the ANAN-100D will stay backwards compatible
> for a couple of years so any software that will work on the
> unit I ordered today will work on units produced within
> the next couple of years.
>
> Surely I do not know whether I will be able to get the
> unit working at all in Linrad. I have not yet found any
> information at all how to communicate via the Ethernet
> interface. Presumably it is a trivial problem, but I have not
> been able to find out where the functions of the FPGA
> code (version xxxx) are defined.
>
> I have written code for SDR-IP without problems because
> there is an "Interface Specification" that defines everything.
> Is there something similar for the ANAN-100D?
>
> 73
>
> Leif / SM5BSZ
>

500. Linrad (was: politics)

Yahoo group: sdr-users
Date: 2013-07-25 23:26:25 UTC
From: vasiliy_k3it
Topic: 473 Message: 500

Leif
For openHPSDR ethernet protocol specs I recommend to start the following two documents:

http://svn.tapr.org/repos_sdr_hpsdr/trunk/Metis/Documentation/Metis-%20How%20it%20works_V1.29.pdf

and

http://openhpsdr.org/support/Ozy/USB_protocol_V1.48.pdf

Unlike SDR-IP there is no dedicated TCP control connection to the SDR. All commands, flags, and sample data are embedded in a single UDP connection. (technically two independent UDP unicast streams- host-to-sdr and sdr-to-host)

You will get a lot of help and expert advise on the openhpsdr mailing list!

73
Vasiliy

--- In sdr-users@yahoogroups.com, Leif Asbrink <leif@...> wrote:
>
> Hi All,
>
> The "interesting" discussion in this thread made me aware of
> Apache Labs, a company I did not know about before.
>
> The hardware (ANAN-100D) is precisely the hardware for which I
> designed Linrad more than one decade ago.
> http://www.sm5bsz.com/linuxdsp/linrad.htm
>
> I have seen Hermes and many other things from OpenHPSDR but
> it has seemed too unstable from my horizon. I do not wish to
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> Hopefully the ANAN-100D will stay backwards compatible
> for a couple of years so any software that will work on the
> unit I ordered today will work on units produced within
> the next couple of years.
>
> Surely I do not know whether I will be able to get the
> unit working at all in Linrad. I have not yet found any
> information at all how to communicate via the Ethernet
> interface. Presumably it is a trivial problem, but I have not
> been able to find out where the functions of the FPGA
> code (version xxxx) are defined.
>
> I have written code for SDR-IP without problems because

> there is an "Interface Specification" that defines everything.
> Is there something similar for the ANAN-100D?
>
> 73
>
> Leif / SM5BSZ
>

501. Re: TELEPHONE CUSTOMER SUPPORT/ APACHE LABS PRODUCTS, REPAIR, SERVICE AND DEALERS

Yahoo group: sdr-users
Date: 2013-07-26 00:55:26 UTC
From: cc_photo
Topic: 473 Message: 501

I did not join this Group for this ongoing pointless discussion. Time to go find a more useful Group. Hope you guys find an end point.

--- In sdr-users@yahoogroups.com, Leif Asbrink <leif@...> wrote:
>
> Hi All,
>
> The "interesting" discussion in this thread made me aware of
> Apache Labs, a company I did not know about before.
>
> The hardware (ANAN-100D) is precisely the hardware for which I
> designed Linrad more than one decade ago.
> http://www.sm5bsz.com/linuxdsp/linrad.htm
>
> I have seen Hermes and many other things from OpenHPSDR but
> it has seemed too unstable from my horizon. I do not wish to
> start developing software for a moving target.
>
> Hopefully the ANAN-100D will stay backwards compatible
> for a couple of years so any software that will work on the
> unit I ordered today will work on units produced within
> the next couple of years.
>
> Surely I do not know whether I will be able to get the
> unit working at all in Linrad. I have not yet found any
> information at all how to communicate via the Ethernet
> interface. Presumably it is a trivial problem, but I have not
> been able to find out where the functions of the FPGA
> code (version xxxx) are defined.
>
> I have written code for SDR-IP without problems because
> there is an "Interface Specification" that defines everything.
> Is there something similar for the ANAN-100D?
>
> 73
>
> Leif / SM5BSZ
>

502. RE: [sdr-users] NEW SUBJECT: Anyone else have an Afedri with an issue?

Yahoo group: sdr-users
Date: 2013-07-26 02:49:35 UTC
From: <george@...>
Topic: 489 Message: 502

Hmmmmm...will give that a try.

George
K2CM

-------- Original Message --------
Subject: RE: [sdr-users] NEW SUBJECT: Anyone else have an Afedri with an
issue?
From: "Simon GD4ELI/HB9DRV" <simon@...>
Date: Thu, July 25, 2013 2:01 pm
To: <sdr-users@yahoogroups.com>

?

George,
?
Why not use the Ethernet connection?
?
Simon GD4ELI/HB9DRV
http://v2.sdr-radio.com/
?
From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of george@...
Sent: 25 July 2013 22:47
To: sdr-users@yahoogroups.com
Subject: [sdr-users] NEW SUBJECT: Anyone else have an Afedri with an issue?
?
?
?I have a wonderful Afedri that installs perfectly on my laptop; however, it will not
install my Dell Win8 desktop.
?
Actually it installs; but, the software will not communicate correctly with the Afedri and
I see garbage on the display. It appear to me that the driver was not installed correctly;
however, I cannot find a driver on the system to delete.
?
I have contacted the "factory"; but, am unable to get the issue resolved. ?I have lived
with the problem for a while since I can use the laptop; but, now would like to use it on
my desktop.
< div>
Has anyone else had this issue?
?
Thanks
?;
George
K2CM

503. Re: RE: [sdr-users] NEW SUBJECT: Anyone else have an Afedri with an issue?

Yahoo group: sdr-users
Date: 2013-07-26 09:16:12 UTC
From: John B. Cundiff Jr.
Topic: 489 Message: 503

I assumed it was happening because I was running ?Windows ate ?in 64 bit mode .

?
?
On 07/25/13, george@gloria.us wrote:
?
?

Hmmmmm...will give that a try.

George
K2CM
-------- Original Message --------
Subject: RE: [sdr-users] NEW SUBJECT: Anyone else have an Afedri with an
issue?
From: "Simon GD4ELI/HB9DRV" <simon@...>
Date: Thu, July 25, 2013 2:01 pm
To: <sdr-users@yahoogroups.com>

?

George,
?
Why not use the Ethernet connection?
?
Simon GD4ELI/HB9DRV
http://v2.sdr-radio.com/
?
From: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] On Behalf Of george@...
Sent: 25 July 2013 22:47
To: sdr-users@yahoogroups.com
Subject: [sdr-users] NEW SUBJECT: Anyone else have an Afedri with an issue?
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?
Actually it installs; but, the software will not communicate correctly with the Afedri and I see garbage on the display. ?It appear to me that the driver was not installed correctly; however, I cannot find a driver on the system to delete.
?
I have contacted the "factory"; but, am unable to get the issue resolved. I have lived with the problem for a while since I can use the laptop; but, now would like to use it on my desktop.
< div>

Has anyone else had this issue?
?
Thanks
?
George
K2CM

504. KISS wining Telephone Customer Support marketing strategy for (SDR) uploaded.

Yahoo group: sdr-users
Date: 2013-07-26 09:44:19 UTC
From: sdr.users
Topic: 504 Message: 504

Good morning friends,

To further the educational and informative purposes of this SDR (Software Defined Radio) User's Discussion Group I have uploaded this document that can be found in the Files section. Text follows.

Please enjoy,

73,

Juan /K4LCD

Proven KISS wining Telephone Customer Support marketing strategy for (SDR) manufacturers.

At every Marketing course and seminar that I have attended, the Professor/Trainer/Teacher, has tried to teach us that the best Marketing solution is always the simplest one. That it should be searched for, found and applied.

KISS stands for: Keep It Simple Stupid. It is repeated, daily, time and time again, at Marketing Divisions, Marketing Schools, Colleges, Universities, and wherever a Marketing Strategy was planned.

Since a Software Defined Radio is just a brick that does nothing unless somehow it is connected to a power supply, a computer, and software to run, a potential purchaser, a Radio Amateur with various levels of technical experience in electronics and informatics, and who later will become a user needs to know before he decides to purchase the radio answers to many questions.

The KISS Marketing Strategy is already telling us that these Radio Amateurs with various levels of technical experience in electronics and informatics will need to find answers to these questions "from a trusted source", the company from whom they will purchase their SDR radio.

After he purchases and pays for his radio he will need assistance, again from the same "trusted source", the company that he purchased his SDR from . The friendly Telephone Customer Support Person is there to assist him, step by step, to help him have a happy SDR experience, regardless of his level of technical and informatics knowledge.

Successful SDR marketer, Gerald Youngblood recognized this early on when he established Telephone Customer Technical Support for his products. Apache Labs Private Limited similarly began marketing their ANAN radios advertising Customer Support for North America with a Telephone Support Person. Apache Labs Private Limited discontinued this service a few days ago.

Who can provide this Telephone Customer Support and at what cost? There would be many very competent, highly skilled in electronics and informatics Radio Amateurs, that would

consider providing this service from their home for sufficient compensation to complement their retirement income. Perhaps even for several hundred dollars per month.

User's Groups should only be a complement to that "trusted Source" , the friendly Telephone Customer Support Person.

We publish this document in furthering the non-profit educational and informative purpose of the SDR (Software Defined Radio) User's Discussion Group.

July 26, 2013
Juan A. Granados /K4LCD

505. Re: KISS wining Telephone Customer Support marketing strategy for (SDR) uploaded.

Yahoo group: sdr-users
Date: 2013-07-26 15:04:11 UTC
From: EverStaR
Topic: 504 Message: 505

That's all good and well if the company selling the product wrote and owns the software being used with it.

Flex completely changed its radio architecture this go around with the very intent to limit is support liability for end user PC support because it was eating their lunch on the 1-5K series radios. If you don't believe me there is a hamradionow video where you can see Flex answer yes to that question.

This in summary as much as anything was one of the major drivers for their moving the processing back inside the radio. Sure, there are other benefits to be had, however, there are also benefits to running the processing on the PC. Lets not debate that right now though.

Again, the most prevailing point on all this whether one believes in Kiss or not or the viability of the Apache Labs marketing and support model, is that its all stated up front and the consumer clearly knows they are not paying for that support. There is no small print or tricks being perpetrated on consumers.

No matter hard hard you beat this horse its not going to get up and move because the simple fact is that most people that understand the model and the value proposition of the product they purchased, don't want the economics of the deal we get by virtue of adding support.

What your advocating is that Apache-labs raise their prices to all end users so a few can get support. This flys in the face of Open Source which exists so its supports can think and act more freely. If your suggestion is they should add it for free well then your goal has to truly be one of putting them out of business.

What you have is a better model once one fully understand it. Users that want formal support can buy it from a third party on a as needed basis. There is at least one credible resources offering those services already. This leaves those that want to save the money on support and support themselves to be able to afford and get a bleeding edge radio to educate themselves with and enjoy and use for Ham Radio.

Your posts and file's motive shows obvious bias in my opinion because it references and advocates one companies operating practices over another companies practices suggesting there is only one correct way to do business. The simple fact is many of us have purchased these radios and are enjoying them greatly.

You have repeated posts by owners/users suggesting this debate is completely invalid and lacks comprehension of what will or will not appeal to end users.

Further more it inadvertently suggests we should do away with Open Source because it requires people to help themselves.

I am sure if you put the radio up for sale Juan someone will snatch it right up! My understanding of the landscape right now is that demand for these is rapidly building

because they are fully functional radios available right now without a wait and also have a expanding bright future with lots of new free (but yes, unsupported) software to come!

And by the way, about KISS, it would also tell you to not try and support things you A. don't own and B. don't have the ability or compensation to support. That's keeping it simple!

Last but not least, I really don't advocate one brand over another. I like to deal with facts. That's why my reviews always have the good and the bad in them. That's how people come to trust what you write and say.

Not all is perfect in Anan land. Its even less perfect with other products right now though. I do believe that will change over the course of the next two years.

But given the price of the radios and ones ability to stand on their own 2 feet to support themselves, there is a lot to like about the value proposition. Its definitely not going to be a radio for those that want 24x7 telephone support for full software and hardware. Best not to think about things that way or your likely to get disgruntled. Besides, if you want that you can spend the extra bucks and get it from the competition. That's the beauty of free marketing it enables consumer choice!

That's also why its important to never mislead other hams with ones own brand loyalty. I see a lot of misleading information around the new flex radios that honestly is not coming from Flex Radio Systems. I am starting to see it on the Anan's now as well.

Seek the facts before you buy, get informed and then make the best choice for you! That's always going to be my bottom line advice!

Don't make yourself a victim, and especially at the expense of others!

73!
NI0Z

--- In sdr-users@yahoogroups.com, "sdr.users" <sdr.users@...> wrote:
>
> Good morning friends,
>
> To further the educational and informative purposes of this SDR (Software Defined Radio) User's Discussion Group I have uploaded this document that can be found in the Files section. Text follows.
>
> Please enjoy,
>
> 73,
>
> Juan /K4LCD
>
> Proven KISS wining Telephone Customer Support marketing strategy for (SDR) manufacturers.
>
> At every Marketing course and seminar that I have attended, the Professor/Trainer/Teacher, has tried to teach us that the best Marketing solution is always the simplest one. That it should be searched for, found and applied.

>
> KISS stands for: Keep It Simple Stupid. It is repeated, daily, time and time again, at Marketing Divisions, Marketing Schools, Colleges, Universities, and wherever a Marketing Strategy was planned.
>
> Since a Software Defined Radio is just a brick that does nothing unless somehow it is connected to a power supply, a computer, and software to run, a potential purchaser, a Radio Amateur with various levels of technical experience in electronics and informatics, and who later will become a user needs to know before he decides to purchase the radio answers to many questions.
>
> The KISS Marketing Strategy is already telling us that these Radio Amateurs with various levels of technical experience in electronics and informatics will need to find answers to these questions "from a trusted source", the company from whom they will purchase their SDR radio.
>
> After he purchases and pays for his radio he will need assistance, again from the same "trusted source", the company that he purchased his SDR from . The friendly Telephone Customer Support Person is there to assist him, step by step, to help him have a happy SDR experience, regardless of his level of technical and informatics knowledge.
>
> Successful SDR marketer, Gerald Youngblood recognized this early on when he established Telephone Customer Technical Support for his products. Apache Labs Private Limited similarly began marketing their ANAN radios advertising Customer Support for North America with a Telephone Support Person. Apache Labs Private Limited discontinued this service a few days ago.
>
> Who can provide this Telephone Customer Support and at what cost? There would be many very competent, highly skilled in electronics and informatics Radio Amateurs, that would consider providing this service from their home for sufficient compensation to complement their retirement income. Perhaps even for several hundred dollars per month.
>
> User's Groups should only be a complement to that "trusted Source" , the friendly Telephone Customer Support Person.
>
> We publish this document in furthering the non-profit educational and informative purpose of the SDR (Software Defined Radio) User's Discussion Group.
>
> July 26, 2013
> Juan A. Granados /K4LCD
>

506. Re: [sdr-users] KISS wining Telephone Customer Support marketing strategy for (SDR) uploaded.

Yahoo group: sdr-users
Date: 2013-07-26 15:32:48 UTC
From: Calder Latham
Topic: 504 Message: 506

Since this is a Product Specific discussion (I thought this was to be a GENERAL discussion group) I agree with the manufacturer, Apache!!!

Cal.

W1HHO from the woods of Maine.

From: sdr.users
Sent: Friday, July 26, 2013 5:44 AM
To: sdr-users@yahoogroups.com
Subject: [sdr-users] KISS wining Telephone Customer Support marketing strategy for (SDR) uploaded.

Good morning friends,

To further the educational and informative purposes of this SDR (Software Defined Radio) User's Discussion Group I have uploaded this document that can be found in the Files section. Text follows.

Please enjoy,

73,

Juan /K4LCD

Proven KISS wining Telephone Customer Support marketing strategy for (SDR) manufacturers.

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The KISS Marketing Strategy is already telling us that these Radio Amateurs with various levels of technical experience in electronics and informatics will need to find answers to these questions "from a trusted source", the company from whom they will purchase their SDR radio.

After he purchases and pays for his radio he will need assistance, again from the same "trusted source", the company that he purchased his SDR from . The friendly Telephone Customer Support Person is there to assist him, step by step, to help him have a happy SDR experience, regardless of his level of technical and informatics knowledge.

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Who can provide this Telephone Customer Support and at what cost? There would be many very competent, highly skilled in electronics and informatics Radio Amateurs, that would consider providing this service from their home for sufficient compensation to complement their retirement income. Perhaps even for several hundred dollars per month.

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July 26, 2013
Juan A. Granados /K4LCD

507. KISS telephone Customer Support strategy for (SDR) manufacturers - REV-uploaded

Yahoo group: sdr-users
Date: 2013-07-26 16:08:45 UTC
From: sdr.users
Topic: 507 Message: 507

Good morning friends,

To further the educational and informative purposes of this SDR Software Defined Radio) User's Discussion Group I have uploaded this document that can be found in the Files section. Text follows.

Please enjoy,

73,

Proven KISS wining Telephone Customer Support marketing strategy for (SDR) manufacturers. REVISED

At every Marketing course and seminar that I have attended, the Professor/Trainer/Teacher, has tried to teach us that the best Marketing solution is always the simplest one. That it should be searched for, found and applied.

KISS stands for: Keep It Simple Stupid. It is repeated, daily, time and time again, at Marketing Divisions, Marketing Schools, Colleges, Universities, and wherever a Marketing Strategy was planned.

Since a Software Defined Radio is just a brick that does nothing unless somehow it is connected to a power supply, a computer, and software to run it, a potential purchaser, a Radio Amateur with various levels of technical experience in communications, electronics and informatics, who may later become an SDR user, needs to have many answers before deciding to purchase an SDR radio.

The KISS Marketing Strategy is already telling us that these Radio Amateurs, with various levels of technical experience in communications, electronics and informatics will need to find answers to these questions "from a trusted source", the company from whom they may purchase their SDR radio.

After he purchases and pays for his radio he will repeatedly need assistance, from his "trusted source", the company from whom he purchased his SDR radio. The friendly Telephone Customer Support Person is there to assist him, step by step, to help him enjoy a happy SDR experience, regardless of his level of communications, technical and informatics knowledge.

Successful SDR marketer, Gerald Youngblood recognized this early on, when he established Telephone Customer Technical Support for his products. Apache Labs Private Limited similarly began marketing their ANAN radios advertising Customer Support for North America with a Telephone Support Person. Apache Labs Private Limited discontinued this service a few days ago.

Who can provide this Telephone Customer Support and at what cost? There would be many very competent, sufficiently skilled in communications, electronics and informatics Radio

Amateurs, that would consider providing this service from their home for sufficient compensation, to complement their retirement income. Perhaps even for several hundred dollars per month.

In the case of a foreign manufacturer of SDR Radios, not wishing to be deemed as "doing business in the United States", Telephone Customer Support Services in the U.S.A. could be performed by a " United States Independent Contractor".

User's Groups should only be a complement to that "Trusted Source" , the friendly Telephone Customer Support Person.

We publish this document in furthering the non-profit educational and informative purpose of this SDR (Software Defined Radio) User's Discussion Group.

July 26, 2013
Juan A. Granados /K4LCD

508. RE: [sdr-users] Re: KISS wining Telephone Customer....enough already. The horse is dead!

Yahoo group: sdr-users
Date: 2013-07-26 16:09:27 UTC
From: <george@...>
Topic: 508 Message: 508

We are beating a dead horse.

May I humbly ask that we give this topic a well needed rest. ?Is there anything else in the SDR world that we can discuss?

If you wish to continue the topic, could you please do it off list.

George
K2CM

509. new topic: how about DDC/DUC

Yahoo group: sdr-users
Date: 2013-07-26 16:44:21 UTC
From: Ken N9VV
Topic: 508 Message: 509

We are entering into a fantastic time of new Software Defined Radio
equipment.

Terminology references:
http://en.wikipedia.org/wiki/Digital_Down_Converter
http://en.wikipedia.org/wiki/Digital_up_converter
http://en.wikipedia.org/wiki/CORDIC
http://en.wikipedia.org/wiki/FPGA

DDC/DUC Transceiver Projects for sale as commercial units:
==========
Apache Radio LLC in India is offering three DDC/DUC Transceivers - the
ANAN-10/ANAN-100/ANAN-100[D]
http://groups.yahoo.com/group/apache-labs/
https://apache-labs.com/index.php
email: support@...
==========
Flex Radio Systems has announced delivery of a beautiful new 6000
series of expensive DDC/DUC Transceivers -- to follow on their very
successful history with the 1000/1500/3000/5000 equipment.
Yahoo Group:
Home Webpage:
email:
==========
ZS1SDR (St. Petersburg Russia)
http://groups.yahoo.com/group/ZS1SDR/
<URL:
http://www.ssb.de/product_info.php?info=p3407_Zeus-ZS-1-Transceiver.html
>
email: Alexandr ZS-1 tracerav <tracerav@...>
==========
SunSDR2 (St. Petersburg Russia)
http://groups.yahoo.com/group/sunsdr2/
http://sunsdr.com/en/home.html
email: Васильев Василий <Vasil07@...>
==========
ELAD SDR (Italy)
http://ecom.eladit.com
==========
N2ADR *HiQSDR* now built in Germany by Helmut DB1CC
http://hiqsdr.com/hiqsdr-wiki/index.php?title=Main_Page
first appeared in QEX 2012 as a Python project
==========

How about that list to begin a new topic about Direct Down Conversion
receivers and Direct Up Conversion Transmitters? The same technology

used in over 500 Million CellPhones worldwide :-)

BK de Ken N9VV

510. New Alinco SDR Transceiver

Yahoo group: sdr-users
Date: 2013-07-26 16:45:55 UTC
From: Ken N9VV
Topic: 508 Message: 510

<URL: http://www.alinco.com/Products/DX-SR9/
>
de Ken N9VV

511. Re: [sdr-users] Re: KISS wining Telephone Customer Support marketing strategy for (SDR) uploaded.

Yahoo group: sdr-users
Date: 2013-07-26 17:26:32 UTC
From: Neil R. Ormos N9NL
Topic: 504 Message: 511

Mark A. Abraham NI0Z wrote:
> [Juan A. Granados K4LCD wrote:]

>> Proven KISS wining Telephone Customer Support
>> marketing strategy for (SDR) manufacturers. [...]

>> After he purchases and pays for his radio he
>> will need assistance, again from the same
>> "trusted source", the company that he purchased
>> his SDR from . The friendly Telephone Customer
>> Support Person is there to assist him, step by
>> step, to help him have a happy SDR experience,
>> regardless of his level of technical and
>> informatics knowledge.

> [...] Again, the most prevailing point on all
> this whether one believes in Kiss or not or the
> viability of the Apache Labs marketing and
> support model, is that its all stated up front
> and the consumer clearly knows they are not
> paying for that support. There is no small print
> or tricks being perpetrated on consumers.

It is unfortunate that so much personal opinion
and speculation masquerades here as "fact", and
that some posters are intent on ignoring the facts
that others have furnished.

Juan has already stated that:

(1) when he purchased his radio, U.S. support was
available;

(2) such support was known to potential customers;

(3) such support was advertised to them; and

(4) he was induced to buy the radio by the
availability of the support.

So when Juan bought his radio, the availability of
U.S. support *was* part of the support model.
It's unclear why you think "the consumer clearly
knows they are not paying for that support."

> No matter hard hard you beat this horse its not
> going to get up and move because the simple fact
> is that most people that understand the model
> and the value proposition of the product they
> purchased, don't want the economics of the deal
> we get by virtue of adding support.

This is unfounded speculation, not "fact". For one thing, Abhi Auradkar has already stated that the situation regarding support "may change in the near future". Doesn't sound like a dead horse to me.

For another, you cannot know what "most people... understand... and want" unless you have done some credible market research. If you have, please share it so we all may learn.

> What your advocating is that Apache-labs raise
> their prices to all end users so a few can get
> support. This flys in the face of Open Source
> which exists so its supports can think and act
> more freely. If your suggestion is they should
> add it for free well then your goal has to truly
> be one of putting them out of business.

Juan hasn't said anything about prices or putting the company out of business. And the "open source" development concept is directed to open access to source code and other design information (and depending on whose definition you use, may include other expectations about licenses and rights). "Open source" does not necessarily mean "without support", nor does it define the cost of products or services (other than source code, etc.) furnished to end users.

> What you have is a better model once one fully
> understand it. [...]

Do you really think the reason Juan's position differs from yours is that Juan somehow doesn't *understand* Apache's supposed support model?

> You have repeated posts by owners/users
> suggesting this debate is completely invalid and
> lacks comprehension of what will or will not
> appeal to end users.

Some people disagree with Juan. What does that prove?

He doesn't "lack comprehension". He simply disagrees and is advocating his position. Why do you have such a problem with that?

And again, unless you've conducted some credible market research, you can't possibly know what will appeal to end users other than yourself and a few others who have expressed their positions. Flex and the big Japanese vendors have sold an awful lot of radios with their "support included" business models.

> Further more it inadvertently suggests we should
> do away with Open Source because it requires
> people to help themselves.

It doesn't and it doesn't, but even if it did, so what?

> I am sure if you put the radio up for sale Juan
> someone will snatch it right up! [...]

IIRC, Juan hasn't said he doesn't like the radio. Why should he sell it? He just wants the support that, among other things, induced him to buy the radio.

> Last but not least, I really don't advocate one
> brand over another. I like to deal with facts.

It will be a refreshing change when some are posted.

73

--Neil Ormos N9NL

512. Re: [sdr-users] Re: KISS wining Telephone Customer Support marketing strategy for (SDR) uploaded.

Yahoo group: sdr-users
Date: 2013-07-26 17:40:35 UTC
From: CBayona
Topic: 504 Message: 512

This thread is getting so annoying that I will start sending messages from this list to the trash until this goes away.

Cecil - k5nwa
www.softrockradio.com www.qrpradio.com

On Jul 26, 2013, at 12:26 PM, Neil R. Ormos N9NL wrote:

> Mark A. Abraham NI0Z wrote:
>> [Juan A. Granados K4LCD wrote:]
>
>>> Proven KISS wining Telephone Customer Support
>>> marketing strategy for (SDR) manufacturers. [...]
>
>>> After he purchases and pays for his radio he
>>> will need assistance, again from the same
>>> "trusted source", the company that he purchased
>>> his SDR from . The friendly Telephone Customer
>>> Support Person is there to assist him, step by
>>> step, to help him have a happy SDR experience,
>>> regardless of his level of technical and
>>> informatics knowledge.
>
>> [...] Again, the most prevailing point on all
>> this whether one believes in Kiss or not or the
>> viability of the Apache Labs marketing and
>> support model, is that its all stated up front
>> and the consumer clearly knows they are not
>> paying for that support. There is no small print
>> or tricks being perpetrated on consumers.
>
> It is unfortunate that so much personal opinion
> and speculation masquerades here as "fact", and
> that some posters are intent on ignoring the facts
> that others have furnished.
>
> Juan has already stated that:
>
> (1) when he purchased his radio, U.S. support was
> available;
>
> (2) such support was known to potential customers;
>
> (3) such support was advertised to them; and

>
> (4) he was induced to buy the radio by the
> availability of the support.
>
> So when Juan bought his radio, the availability of
> U.S. support *was* part of the support model.
> It's unclear why you think "the consumer clearly
> knows they are not paying for that support."
>
>> No matter hard hard you beat this horse its not
>> going to get up and move because the simple fact
>> is that most people that understand the model
>> and the value proposition of the product they
>> purchased, don't want the economics of the deal
>> we get by virtue of adding support.
>
> This is unfounded speculation, not "fact". For
> one thing, Abhi Auradkar has already stated that
> the situation regarding support "may change in the
> near future". Doesn't sound like a dead horse to
> me.
>
> For another, you cannot know what "most people...
> understand... and want" unless you have done some
> credible market research. If you have, please
> share it so we all may learn.
>
>> What your advocating is that Apache-labs raise
>> their prices to all end users so a few can get
>> support. This flys in the face of Open Source
>> which exists so its supports can think and act
>> more freely. If your suggestion is they should
>> add it for free well then your goal has to truly
>> be one of putting them out of business.
>
> Juan hasn't said anything about prices or putting
> the company out of business. And the "open
> source" development concept is directed to open
> access to source code and other design information
> (and depending on whose definition you use, may
> include other expectations about licenses and
> rights). "Open source" does not necessarily mean
> "without support", nor does it define the cost of
> products or services (other than source code,
> etc.) furnished to end users.
>
>> What you have is a better model once one fully
>> understand it. [...]
>
> Do you really think the reason Juan's position

> differs from yours is that Juan somehow doesn't
> *understand* Apache's supposed support model?
>
>> You have repeated posts by owners/users
>> suggesting this debate is completely invalid and
>> lacks comprehension of what will or will not
>> appeal to end users.
>
> Some people disagree with Juan. What does that
> prove?
>
> He doesn't "lack comprehension". He simply
> disagrees and is advocating his position. Why do
> you have such a problem with that?
>
> And again, unless you've conducted some credible
> market research, you can't possibly know what will
> appeal to end users other than yourself and a few
> others who have expressed their positions. Flex
> and the big Japanese vendors have sold an awful
> lot of radios with their "support included"
> business models.
>
>> Further more it inadvertently suggests we should
>> do away with Open Source because it requires
>> people to help themselves.
>
> It doesn't and it doesn't, but even if it did, so
> what?
>
>> I am sure if you put the radio up for sale Juan
>> someone will snatch it right up! [...]
>
> IIRC, Juan hasn't said he doesn't like the radio.
> Why should he sell it? He just wants the support
> that, among other things, induced him to buy the
> radio.
>
>> Last but not least, I really don't advocate one
>> brand over another. I like to deal with facts.
>
> It will be a refreshing change when some are
> posted.
>
> 73
>
> --Neil Ormos N9NL
>

513. Re: KISS wining Telephone Customer Support marketing strategy for (SDR) uploaded.

Yahoo group: sdr-users
Date: 2013-07-26 18:15:30 UTC
From: EverStaR
Topic: 504 Message: 513

I have asked for proof that US Support was GUARANTEED when the radio was purchased. None has been provided yet. Bullet 3 suggests there is proof.

We can discuss it more when that has been provided.

73!
NI0Z

--- In sdr-users@yahoogroups.com, "Neil R. Ormos N9NL" <ormos-lists@...> wrote:
>
> Mark A. Abraham NI0Z wrote:
> > [Juan A. Granados K4LCD wrote:]
>
> >> Proven KISS wining Telephone Customer Support
> >> marketing strategy for (SDR) manufacturers. [...]
>
> >> After he purchases and pays for his radio he
> >> will need assistance, again from the same
> >> "trusted source", the company that he purchased
> >> his SDR from . The friendly Telephone Customer
> >> Support Person is there to assist him, step by
> >> step, to help him have a happy SDR experience,
> >> regardless of his level of technical and
> >> informatics knowledge.
>
> > [...] Again, the most prevailing point on all
> > this whether one believes in Kiss or not or the
> > viability of the Apache Labs marketing and
> > support model, is that its all stated up front
> > and the consumer clearly knows they are not
> > paying for that support. There is no small print
> > or tricks being perpetrated on consumers.
>
> It is unfortunate that so much personal opinion
> and speculation masquerades here as "fact", and
> that some posters are intent on ignoring the facts
> that others have furnished.
>
> Juan has already stated that:
>
> (1) when he purchased his radio, U.S. support was
> available;
>
> (2) such support was known to potential customers;

>
> (3) such support was advertised to them; and
>
> (4) he was induced to buy the radio by the
> availability of the support.
>
> So when Juan bought his radio, the availability of
> U.S. support *was* part of the support model.
> It's unclear why you think "the consumer clearly
> knows they are not paying for that support."
>
> > No matter hard hard you beat this horse its not
> > going to get up and move because the simple fact
> > is that most people that understand the model
> > and the value proposition of the product they
> > purchased, don't want the economics of the deal
> > we get by virtue of adding support.
>
> This is unfounded speculation, not "fact". For
> one thing, Abhi Auradkar has already stated that
> the situation regarding support "may change in the
> near future". Doesn't sound like a dead horse to
> me.
>
> For another, you cannot know what "most people...
> understand... and want" unless you have done some
> credible market research. If you have, please
> share it so we all may learn.
>
> > What your advocating is that Apache-labs raise
> > their prices to all end users so a few can get
> > support. This flys in the face of Open Source
> > which exists so its supports can think and act
> > more freely. If your suggestion is they should
> > add it for free well then your goal has to truly
> > be one of putting them out of business.
>
> Juan hasn't said anything about prices or putting
> the company out of business. And the "open
> source" development concept is directed to open
> access to source code and other design information
> (and depending on whose definition you use, may
> include other expectations about licenses and
> rights). "Open source" does not necessarily mean
> "without support", nor does it define the cost of
> products or services (other than source code,
> etc.) furnished to end users.
>
> > What you have is a better model once one fully
> > understand it. [...]

>
> Do you really think the reason Juan's position
> differs from yours is that Juan somehow doesn't
> *understand* Apache's supposed support model?
>
> > You have repeated posts by owners/users
> > suggesting this debate is completely invalid and
> > lacks comprehension of what will or will not
> > appeal to end users.
>
> Some people disagree with Juan. What does that
> prove?
>
> He doesn't "lack comprehension". He simply
> disagrees and is advocating his position. Why do
> you have such a problem with that?
>
> And again, unless you've conducted some credible
> market research, you can't possibly know what will
> appeal to end users other than yourself and a few
> others who have expressed their positions. Flex
> and the big Japanese vendors have sold an awful
> lot of radios with their "support included"
> business models.
>
> > Further more it inadvertently suggests we should
> > do away with Open Source because it requires
> > people to help themselves.
>
> It doesn't and it doesn't, but even if it did, so
> what?
>
> > I am sure if you put the radio up for sale Juan
> > someone will snatch it right up! [...]
>
> IIRC, Juan hasn't said he doesn't like the radio.
> Why should he sell it? He just wants the support
> that, among other things, induced him to buy the
> radio.
>
> > Last but not least, I really don't advocate one
> > brand over another. I like to deal with facts.
>
> It will be a refreshing change when some are
> posted.
>
> 73
>
> --Neil Ormos N9NL
>

514. Re: [sdr-users] new topic: how about DDC/DUC

Yahoo group: sdr-users
Date: 2013-07-26 18:33:15 UTC
From: Neil R. Ormos N9NL
Topic: 508 Message: 514

Ken N9VV wrote:

> We are entering into a fantastic time of new Software Defined Radio
> equipment.

> How about that list to begin a new topic about Direct Down Conversion
> receivers and Direct Up Conversion Transmitters? The same technology
> used in over 500 Million CellPhones worldwide :-)

Any thoughts, Ken, on practical ways to reuse an old
cellular phone to provide a low-cost entry point into SDR
that might offer better performance than, say, Softrock or
BeRadio?

73

--Neil Ormos N9NL

515. Re: [sdr-users] Re: KISS wining Telephone Customer Support marketing strategy for (SDR) uploaded.

Yahoo group: sdr-users
Date: 2013-07-26 18:47:30 UTC
From: Daniel C. Baral
Topic: 504 Message: 515

```
Oh, brother...Please make this go away!...Thanks! ----- Original Message -----
|
| This thread is getting so annoying that I will start sending messages
| from this list to the trash until this goes away.
| Cecil - k5nwa
| www.softrockradio.com www.qrpradio.com
| On Jul 26, 2013, at 12:26 PM, Neil R. Ormos N9NL wrote:
| > Mark A. Abraham NI0Z wrote:
| >> [Juan A. Granados K4LCD wrote:]
| >
| >>> Proven KISS wining Telephone Customer Support
| >>> marketing strategy for (SDR) manufacturers. [...]
| >
| >>> After he purchases and pays for his radio he
| >>> will need assistance, again from the same
| >>> "trusted source", the company that he purchased
| >>> his SDR from . The friendly Telephone Customer
| >>> Support Person is there to assist him, step by
| >>> step, to help him have a happy SDR experience,
| >>> regardless of his level of technical and
| >>> informatics knowledge.
| >
| >> [...] Again, the most prevailing point on all
| >> this whether one believes in Kiss or not or the
| >> viability of the Apache Labs marketing and
| >> support model, is that its all stated up front
| >> and the consumer clearly knows they are not
| >> paying for that support. There is no small print
| >> or tricks being perpetrated on consumers.
| >
| > It is unfortunate that so much personal opinion
| > and speculation masquerades here as "fact", and
| > that some posters are intent on ignoring the facts
| > that others have furnished.
| >
| > Juan has already stated that:
| >
| > (1) when he purchased his radio, U.S. support was
| > available;
| >
| > (2) such support was known to potential customers;
| >
| > (3) such support was advertised to them; and
| >
```

| > (4) he was induced to buy the radio by the
| > availability of the support.
| >
| > So when Juan bought his radio, the availability of
| > U.S. support *was* part of the support model.
| > It's unclear why you think "the consumer clearly
| > knows they are not paying for that support."
| >
| >> No matter hard hard you beat this horse its not
| >> going to get up and move because the simple fact
| >> is that most people that understand the model
| >> and the value proposition of the product they
| >> purchased, don't want the economics of the deal
| >> we get by virtue of adding support.
| >
| > This is unfounded speculation, not "fact". For
| > one thing, Abhi Auradkar has already stated that
| > the situation regarding support "may change in the
| > near future". Doesn't sound like a dead horse to
| > me.
| >
| > For another, you cannot know what "most people...
| > understand... and want" unless you have done some
| > credible market research. If you have, please
| > share it so we all may learn.
| >
| >> What your advocating is that Apache-labs raise
| >> their prices to all end users so a few can get
| >> support. This flys in the face of Open Source
| >> which exists so its supports can think and act
| >> more freely. If your suggestion is they should
| >> add it for free well then your goal has to truly
| >> be one of putting them out of business.
| >
| > Juan hasn't said anything about prices or putting
| > the company out of business. And the "open
| > source" development concept is directed to open
| > access to source code and other design information
| > (and depending on whose definition you use, may
| > include other expectations about licenses and
| > rights). "Open source" does not necessarily mean
| > "without support", nor does it define the cost of
| > products or services (other than source code,
| > etc.) furnished to end users.
| >
| >> What you have is a better model once one fully
| >> understand it. [...]
| >
| > Do you really think the reason Juan's position
| > differs from yours is that Juan somehow doesn't

| > *understand* Apache's supposed support model?
| >
| >> You have repeated posts by owners/users
| >> suggesting this debate is completely invalid and
| >> lacks comprehension of what will or will not
| >> appeal to end users.
| >
| > Some people disagree with Juan. What does that
| > prove?
| >
| > He doesn't "lack comprehension". He simply
| > disagrees and is advocating his position. Why do
| > you have such a problem with that?
| >
| > And again, unless you've conducted some credible
| > market research, you can't possibly know what will
| > appeal to end users other than yourself and a few
| > others who have expressed their positions. Flex
| > and the big Japanese vendors have sold an awful
| > lot of radios with their "support included"
| > business models.
| >
| >> Further more it inadvertently suggests we should
| >> do away with Open Source because it requires
| >> people to help themselves.
| >
| > It doesn't and it doesn't, but even if it did, so
| > what?
| >
| >> I am sure if you put the radio up for sale Juan
| >> someone will snatch it right up! [...]
| >
| > IIRC, Juan hasn't said he doesn't like the radio.
| > Why should he sell it? He just wants the support
| > that, among other things, induced him to buy the
| > radio.
| >
| >> Last but not least, I really don't advocate one
| >> brand over another. I like to deal with facts.
| >
| > It will be a refreshing change when some are
| > posted.
| >
| > 73
| >
| > --Neil Ormos N9NL
| >
|

516. Re: [sdr-users] Re: KISS wining Telephone Customer Support marketing strategy for (SDR) uploaded.

Yahoo group: sdr-users
Date: 2013-07-26 18:54:55 UTC
From: Neil R. Ormos N9NL
Topic: 504 Message: 516

Mark A. Abraham NI0Z wrote:
> "Neil R. Ormos N9NL" <ormos-lists@...> wrote:

>> (3) such support was advertised to them; and

> I have asked for proof that US Support was
> GUARANTEED when the radio was purchased. None
> has been provided yet. Bullet 3 suggests there
> is proof.

It doesn't matter whether the support was guaranteeed. It matters whether the support was offered or advertised to the prospective customer to induce his purchase.

Concentrating on whether support was somehow "guaranteed" is a childish trip down the road to the Ebay-ification of all commerce, where any sneaky slight-of-hand can be used to cheat the customer as long as he is warned in the fine print or any promises made were not made in writing. (And I'm NOT suggesting that Apache here did ANY of that.)

I anticipate that next we'll have a complaint that "It was never notarized!"

<http://www.youtube.com/watch?v=n-LJ9qLbNJI>

73

--Neil Ormos N9NL

517. Re: [sdr-users] KISS wining Telephone Customer Support marketing strategy for (SDR) uploaded.

Yahoo group: sdr-users
Date: 2013-07-26 19:31:04 UTC
From: Clive Lorton
Topic: 504 Message: 517

On 26 Jul 2013, at 16:04, EverStaR <nova@...> wrote:

> Seek the facts before you buy, get informed and then make the best choice for you! That's always going to be my bottom line advice!
>
> Don't make yourself a victim, and especially at the expense of others!
>
Absolutely, I got very excited when I first read about Hermes. My problem was the more I read, the more I realised, that at the moment it was not not the product for me, despite its performance….. I should not purchase something that was much more a development kit than a black box.

For the time being I'll carry on with Softrocks an my old Icom. But when, and if, Simon HB9DRV comes up with suitable software I'll reconsider. But I'll probably need help……

Anan/Hermes and a 400W linear (UK Limit) is still worth dreaming about……. :-)

Clive G8POC

518. Digital Modes for your SDR on a Mac or PC

Yahoo group: sdr-users
Date: 2013-07-26 20:41:28 UTC
From: Tom_Pryts
Topic: 518 Message: 518

Look back At the Jan and May issue of QST and check out the article by Robert Nickels W9RAN.
Really good stuff that lets your PC do double duty as a SDR and receive digital modes.
He uses a $20 TV dongle and Fldigi to listen to CW, Rtty, BPSK and other digital signals al running at the same time on his PC.
I wondered if it was possible to do the same thing on my Mac. I was wonderfully surprised that since I was using a FunCubePro+ I didn't need to split the audio out from the sound card as the PC does (see May issue of QST)
I just started Fldigi in a separate window and it works .
I start my SDR software DSP Radio by DL2SDR tune to 14070 open Fldgi and BPSK 31 decodes like a dream.
What Fun

Give it a Try

Tom
N3NTF

519. Re: [sdr-users] new topic: how about DDC/DUC

Yahoo group: sdr-users
Date: 2013-07-26 18:59:03 UTC
From: Ken N9VV
Topic: 508 Message: 519

Hi Neil, no, the cellphone was designed to be an integral part of a Cell phone network with companies offering *proprietary* transceiver connected service - unlike Ham Radio :-)

Here is a list of very inexpensive SDR starter radio's that you might want to try, if you are pleased with the "QSD" Architecture:
---
http://yu1lm.qrpradio.com Avala01 transceiver by YU1LM

http://www.oz9aec.net/index.php/gnu-radio/gqrx-sdr

http://www.linkrf.ch/IQ+.html Adaptive Polarization (diversity) VHF/UHF

http://shop.ebay.com/jayw5olf/m.html?_trksid=p4340.l2562 WSPR 3W QRP single board

http://groups.yahoo.com/group/Software_Defined_Radio_USA/ (inactive?)

Re-issue of famous Genesis-G40 by UK SDR Club
http://softwaredefinedradio.co.uk/pg/start

The FunCube 64Mha-1.7Ghz http://www.funcubedongle.com/

IQ+ dual receiver QSD unit for sophisticated EME

http://www.crosscountrywireless.net/sdr_receiver.htm

http://www.mydarc.de/dk3wi/html/sdr.html Transceiver

http://www.b-kainka.de/sdrusb.html

http://www.qsl.net/k5bcq/Kits/Kits.html Transceiver

13 kits http://www.box73.de/

http://shop.ebay.com/kafa2500/m.html

http://www.sdr-cube.com/ Transceiver

http://www.elektor.com/magazines/2007/may/software-defined-radio.91527.lynkx

http://www.fernempfangsradio.de/start.html

http://www.pappradio.de/typo3/ (Starsite)

http://o28.sischa.net/fifisdr/trac (German FIFI project)

http://www.darc.de/distrikte/l/02/sdr/ (LIMA Transceiver + 100W PA)

http://www.yoyodyneconsulting.ca/pages/SDR-Widget-lite.html Transceiver

http://www.kb9yig.com/

http://www.genesisradio.com.au/ Transceiver

http://www.nt7v.com/index.html

http://zao.jp/radio/soft66ad/ (Japan)

http://www.lazydogengineering.com Transceiver

http://www.sdr-kits.net/

http://py2wm.qsl.br/SDR/SDRZero-2.html

http://www.qrz.lt/ly1gp/SDR/

http://www.rfsystem.it/shop/ Transceiver

http://www.comsistel.com/Ciao%20Radio.htm

http://www.nti-online.de/edirabox.htm

http://wb6dhw.com/For_Sale.html UHF SDR Transceiver

http://www.wb5rvz.com/sdr/ensemble/ Transceiver
USB2SDR new project from SV1EIA http://www.wb5rvz.com/usb2sdr/index.htm
(Transceiver?)

http://users.skynet.be/myspace/mdsr

http://www.iw3aut.altervista.org/

http://www.wb5rvz.com/sdr/mobo43/

http://www.dh1tw.de/fa-sdr-trx-funkamateur-allband-sdr Transceiver

Fernempfangsradio II Harzburg SDR QRP Shope Germany

ADS-B Aircraft Receiver
http://www.sprut.de/electronic/pic/projekte/adsb/adsb.htm#pc

CrossCountry General Coverage QSD SDR-4 Rx
http://www.crosscountrywireless.net/sdr-4.htm

MDSDR Software http://users.skynet.be/myspace/mdsr/

ON6MU Software: http://users.belgacom.net/hamradio/index.htm

SoDiRa Software SDR http://www.dsp4swls.de/sodira/sodiraeng.html

http://www.lazydogengineering.com/LD-1TR_Transceiver.html Transceiver

SDR Weather Radio Kit http://alternet.us.com/?p=1398

German FiFi website info: http://o28.sischa.net/fifisdr/trac/wiki/rockprog

Hunter Kit - UK http://www.radio-kits.co.uk/hunter/index.htm

SDR-1 from Henchman Labs - Electronics is Fun:
http://www.electronicsisfun.com/sdr-1/

BX-200 SDR Transceiver - http://www.box73.de

Bruce KF1Z new U.S. Distributor for Genesis G11 Radio --
kf1z@...

Add on kits for SoftRock:
http://mobokits.stormwarning.org/content/about-mobo

SunSDR with documentation from .ru

PM-SDR v2.2 with both 6M and 4M reception
http://www.iw3aut.altervista.org/index.htm

NT7V QSD/QSE Transceiver kit $75 http://www.nt7v.com/html/qsd-qse.html

LazyDog Engineering LD-1TR QRP Transceiver
http://shop.lazydogengineering.com/LD-1TR-Software-Defined-Transceiver-5354022.htm

AVR Elector Magazine SDR Receiver with microprocessor

RTL-SDR
http://dangerousprototypes.com/2012/03/20/introducing-rtl-sdr-a-20-sdr/

Elonics "P160" RealTek TRL2832U + E4000 DVG-TV SDR

https://groups.google.com/forum/#!forum/ultra-cheap-sdr

OsMond RTL-SDR

SeaSDR_40 from eBay

SoftRock RXTX cases and many other goodies KM5H Store
---

73 de Ken N9VV

On 7/26/2013 1:33 PM, Neil R. Ormos N9NL wrote:
> Ken N9VV wrote:
>
> > We are entering into a fantastic time of new Software Defined Radio
> > equipment.
>
> > How about that list to begin a new topic about Direct Down Conversion
> > receivers and Direct Up Conversion Transmitters? The same technology
> > used in over 500 Million CellPhones worldwide :-)
>
> Any thoughts, Ken, on practical ways to reuse an old
> cellular phone to provide a low-cost entry point into SDR
> that might offer better performance than, say, Softrock or
> BeRadio?
>
> 73

>
> --Neil Ormos N9NL
>

520. A PROPOSAL FOR THE CREATION OF THE SDR USER□S DISCUSSION NET. Uploaded

Yahoo group: sdr-users
Date: 2013-07-26 22:32:59 UTC
From: sdr.users
Topic: 520 Message: 520

Dear friends,

I have uploaded to the Files section. Text follows.

Hoping you will find it interesting, I remain,

73

Juan /K4LCD

A PROPOSAL FOR THE CREATION OF THE SDR USER'S DISCUSSION NET.

NAME: Software Defined Radio User's Discussion Group Net.

PURPOSE: Regular meeting by SDR users of all SDR brand radios to show their wares and simply talk about things SDR.

WHERE: There could be several NETs, i.e. 75M at 6am EST; or/and 40M at 7AM EST; 20M at 6PM, etc.

NET CONTROL. Some guy's with powerful stations and high gain antennas, with Net Controlling experience could be interested in organizing this project on behalf of the User's of SDR.

July 26, 2013

Juan /K4LCD

521. Re: KISS wining Telephone Customer....enough already. The horse is dead!

Yahoo group: sdr-users
Date: 2013-07-27 00:13:28 UTC
From: Jim, K7JEB
Topic: 508 Message: 521

Actually, I find it rather interesting to watch some
of the "Socio-economic Engineering" aspects of the
emerging SDR paradigm being worked out daily on the
pages of this Yahoo group, more specifically, the
answers to the questions of how, when, where and
what are the levels of customer support necessary to
field an amateur-radio SDR product from a start-up
company or organization in the 21st-century global
marketplace. These answers are crucial to the
continued technological development of amateur radio
generally as well as that of the lean start-up companies
that have emerged in the last few years to serve this
community. I am struck by the fact that all the major
equipment manufacturers (Yaecomwood) have been slow
to embrace SDR and in so doing have created a remarkable
opportunity for others to enter the amateur-radio
field. If these extremely lean organizations can solve
the back-end problem of product support as the majors
have done, they will thrive and prosper.

And I think all the recent 'Sturm und Drang' on this
group will help them find such a solution. So, keep
at it guys! Give 'em hell!

Jim, K7JEB

> We are beating a dead horse.
> May I humbly ask that we give this topic a well needed rest. Is
> there anything else in the SDR world that we can discuss?
> If you wish to continue the topic, could you please do it off
> list.
> George K2CM

522. Re: [sdr-users]Can't kill some horses

Yahoo group: sdr-users
Date: 2013-07-27 02:31:32 UTC
From: Lee Mushel
Topic: 522 Message: 522

Indeed! If you are going to insist on talking about stuff that I don't like I'll take my ball and go home and call the police and complain that you are playing in the street!

1. You may be reading something for the twentieth time but you can bet that someone else has appeared who is seeing the topic for the first time!

2. These "unpopular" ideas need to be aired.

3. I like to watch the "socio-economic Engineering" topics, too!

73

Lee K9WRU

----- Original Message -----
From: "Jim, K7JEB" <k7jeb-3@...>
To: <sdr-users@yahoogroups.com>
Sent: Friday, July 26, 2013 6:13 PM
Subject: [sdr-users] Re: KISS wining Telephone Customer....enough already. The horse is dead!

These answers are crucial to the
> continued technological development of amateur radio
> generally as well as that of the lean start-up companies
> that have emerged in the last few years to serve this
> community.

524. Re: [sdr-users] New Alinco SDR Transceiver

Yahoo group: sdr-users
Date: 2013-07-27 04:24:44 UTC
From: Rick Simpson
Topic: 508 Message: 524

Could not find a suggested retail price. Guess?

Rick

----- Original Message -----
From: Ken N9VV
To: sdr-users@yahoogroups.com
Sent: Friday, July 26, 2013 12:45 PM
Subject: [sdr-users] New Alinco SDR Transceiver

<URL: http://www.alinco.com/Products/DX-SR9/
>
de Ken N9VV

525. Re: [sdr-users] New Alinco SDR Transceiver

Yahoo group: sdr-users
Date: 2013-07-27 04:29:55 UTC
From: Stephen Black
Topic: 508 Message: 525

Apparently has not been approved for sale in USA yet. I'm sure price announcement will follow FCC OK. Steve KB1CHU

On 7/27/2013 12:24 AM, Rick Simpson wrote:
>
> □
>
> Could not find a suggested retail price. Guess?
> Rick
>
> ----- Original Message -----
> *From:* Ken N9VV <mailto:n9vv@...>
> *To:* sdr-users@yahoogroups.com <mailto:sdr-users@yahoogroups.com>
> *Sent:* Friday, July 26, 2013 12:45 PM
> *Subject:* [sdr-users] New Alinco SDR Transceiver
>
> <URL: http://www.alinco.com/Products/DX-SR9/
> >
> de Ken N9VV
>
>

526. Re: Digital Modes for your SDR on a Mac or PC

Yahoo group: sdr-users
Date: 2013-07-27 06:13:16 UTC
From: Bob
Topic: 518 Message: 526

using a $12 dongle with a $47 HamItUP upconverter and FlDigi with a scanner antenna, and does a great job on my windows machine. use virtual audio cables to connect to most digital programs, ie. JT65 etc and decodes like a dream...

also use it to monitor the digital bands for signals and tune my ICOM transceiver to the freq and instant on-frequency copy...

I have transmitted 100 watts into an OCF Windom dipole about fifty feet from the scanner antenna with no damage to the HamItUp upconverter or the dongle for four months...

well worth the $59 dollar investment...

bob
kd4lv

527. Re: [sdr-users] New Alinco SDR Transceiver

Yahoo group: sdr-users
Date: 2013-07-27 07:26:18 UTC
From: XV4Y
Topic: 508 Message: 527

Hi,

In the brochure and the web site spec page they talk about double-conversion but give 1st IF at 70MHz and 2nd IF at 455KHz.
http://cq-amateur-radio.com/cq_highlights/2013_cq/2013_06_cq/2013_dayton_new_products/alinco/DXSR9brochure.pdf
I guess they forgot the I/Q signal is not baseband but IF too...
Architecture seems closer to the FT-450 than the KX3, the only difference being that the FT-450 does not have jacks for the I/Q signals, but you can bring them outside easily.

Filters are 2.4KHz for AM/SSB, 1KHz for SSB (?) and CW and 500Hz for CW (on which IF ?).

73,
Yan.

Yannick DEVOS - XV4Y
New online shop for kits and more
http://xv4y.radioclub.asia/boutique/

Le 27 juil. 2013 à 11:24, Rick Simpson a écrit :

> □
>
> Could not find a suggested retail price. Guess?
>
> Rick
>
>
> ----- Original Message -----
> From: Ken N9VV
> To: sdr-users@...m
> Sent: Friday, July 26, 2013 12:45 PM
> Subject: [sdr-users] New Alinco SDR Transceiver
>
>
> <URL: http://www.alinco.com/Products/DX-SR9/
> >
> de Ken N9VV
>
>
>

528. Re: New Alinco SDR Transceiver

Yahoo group: sdr-users
Date: 2013-07-27 14:31:00 UTC
From: pd0psb@...
Topic: 508 Message: 528

Hi,

What's SDR about this tranceiver?

It only delivers IQ for outboard SDR, or am I missing something?

73
Paul
PD0PSB

--- In sdr-users@yahoogroups.com, Ken N9VV <n9vv@...> wrote:
>
> <URL: http://www.alinco.com/Products/DX-SR9/
> >
> de Ken N9VV
>

529. Re: [sdr-users] Re: New Alinco SDR Transceiver

Yahoo group: sdr-users
Date: 2013-07-27 14:39:04 UTC
From: Ken N9VV
Topic: 508 Message: 529

sorry, my mistake. I thought it had more SDR inside <g>
nice looking radio.
73 de Ken N9VV

On 7/27/2013 9:31 AM, pd0psb@... wrote:
> Hi,
>
> What's SDR about this tranceiver?
>
> It only delivers IQ for outboard SDR, or am I missing something?
>
> 73
> Paul
> PD0PSB
>
> --- In sdr-users@yahoogroups.com <mailto:sdr-users%40yahoogroups.com>,
> Ken N9VV <n9vv@...> wrote:
> >
> > <URL: http://www.alinco.com/Products/DX-SR9/
> > >
> > de Ken N9VV
> >
>
>

--
+???+,??,+???~ ~???+,??,+???+

530. Re: New Alinco SDR Transceiver

Yahoo group: sdr-users
Date: 2013-07-27 15:49:52 UTC
From: rc143dr
Topic: 508 Message: 530

Hello All,

I owned the predecessor to this radio the DX-SR8T, which appears to be the same exact radio except for the addition of the I/Q output for a soundcard. (Oddly, Alinco had this feature already built into the DX-R8 receiver they had designed around the same time.) Everything was present on the board for the I/Q circuit, but was simply not populated. I suspect the SR9T simply populates the board of the SR8T. The I/Q was a pretty basic base banding of the lower IF using a digital quadrature oscillator, if I am remembering correctly from the schematics.

The DX-SR8T transceiver is an entry level radio at a very low price and I would assume this will be the same. The RX performance was on par with this level of radio, not the worst I had ever heard, but just OK. At the level of performance and price the radio was designed for it was OK for mobile installation, and casual operating, but was far from top of the line. But as said, it is a low end radio, designed to be low priced for a beginner in the hobby.

With this said, I had to return the radio for exchange for a new unit within a month. I sold the new unit to a fellow ham on the West coast with full disclosure of what happened and why I was selling the new radio. (He was even allowed to transfer the warranty by a local ham radio dealer and Alinco!) This unit failed within a month for a totally different issue for the new owner. Alinco and HRO were very responsive and honered the warranty in both cases, but it seems that Alinco's QC needs some help. Hopefully they have resolved the quality issues now that the radio has been in production much longer (about 2 years since I purchased mine).

Just some food for thought and observations that I hope are useful.

73,

Roger (AE3RT)

--- In sdr-users@yahoogroups.com, Ken N9VV <n9vv@...> wrote:
>
> sorry, my mistake. I thought it had more SDR inside <g>
> nice looking radio.
> 73 de Ken N9VV
>
> On 7/27/2013 9:31 AM, pd0psb@... wrote:
> > Hi,
> >
> > What's SDR about this tranceiver?
> >
> > It only delivers IQ for outboard SDR, or am I missing something?
> >
> > 73
> > Paul

> > PD0PSB
> >
> > --- In sdr-users@yahoogroups.com <mailto:sdr-users%40yahoogroups.com>,
> > Ken N9VV <n9vv@> wrote:
> > >
> > > <URL: http://www.alinco.com/Products/DX-SR9/
> > > > >
> > > de Ken N9VV
> > >
> >
> >
>
> --
> +°´°+,¸¸,+°´°~ ~°´°+,¸¸,+°´°+
>

531. Re: [sdr-users] PSK31 for cell phones

Yahoo group: sdr-users
Date: 2013-07-27 15:51:26 UTC
From: Ken N9VV (Win-7/64)
Topic: 508 Message: 531

Hi Neil,
I looked in the digitalradio Yahoo Group and I see that there is
actually a PSK31 program that can be used with some Cellphones <g>
I never knew about that before. Here is a link I found:

http://groups.yahoo.com/group/digitalradio/message/45061

There is a PSK31 app for Android phones. However you need a receiver in
addition to use it. All explained on this link:
http://www.butterscotch.com/preview/1213397/DroidPSK-PSK31

Searched "PSK31 for smartphones" and there were quite a few results
returned. One link was for SSTV, PSK31 and RTTY using a smartphone, the
YouTube video is in German: http://www.youtube.com/watch?v=EIzmbgwqAvo

I believe there was an article a year or so in QST using a Android
smartphone for PSK31. I am not a member of ARRL so could not search
their articles on www.arrl.org

Good luck,

Jerry/K0HZI

GL de Ken N9VV
> ---
>
> 73 de Ken N9VV
> > Any thoughts, Ken, on practical ways to reuse an old
> > cellular phone to provide a low-cost entry point into SDR
> > that might offer better performance than, say, Softrock or
> > BeRadio?
> >
> > 73
> >
> > --Neil Ormos N9NL
> >
>

532. Re: [sdr-users] new topic: how about DDC/DUC

Yahoo group: sdr-users
Date: 2013-07-27 17:41:31 UTC
From: OB O'Brien
Topic: 508 Message: 532

WOW What a list.
How could you go through that list and sort out the best?
OB W4HXJ

On Jul 26, 2013, at 6:59 PM, Ken N9VV <n9vv@...> wrote:

> Hi Neil, no, the cellphone was designed to be an integral part of a Cell
> phone network with companies offering *proprietary* transceiver
> connected service - unlike Ham Radio :-)
>
> Here is a list of very inexpensive SDR starter radio's that you might
> want to try, if you are pleased with the "QSD" Architecture:
> ----------
> http://yu1lm.qrpradio.com Avala01 transceiver by YU1LM
>
> http://www.oz9aec.net/index.php/gnu-radio/gqrx-sdr
>
> http://www.linkrf.ch/IQ+.html Adaptive Polarization (diversity) VHF/UHF
>
> http://shop.ebay.com/jayw5olf/m.html?_trksid=p4340.l2562 WSPR 3W QRP
> single board
>
> http://groups.yahoo.com/group/Software_Defined_Radio_USA/ (inactive?)
>
> Re-issue of famous Genesis-G40 by UK SDR Club
> http://softwaredefinedradio.co.uk/pg/start
>
> The FunCube 64Mha-1.7Ghz http://www.funcubedongle.com/
>
> IQ+ dual receiver QSD unit for sophisticated EME
>
> http://www.crosscountrywireless.net/sdr_receiver.htm
>
> http://www.mydarc.de/dk3wi/html/sdr.html Transceiver
>
> http://www.b-kainka.de/sdrusb.html
>
> http://www.qsl.net/k5bcq/Kits/Kits.html Transceiver
>
> 13 kits http://www.box73.de/
>
> http://shop.ebay.com/kafa2500/m.html
>
> http://www.sdr-cube.com/ Transceiver
>

> http://www.elektor.com/magazines/2007/may/software-defined-radio.91527.lynkx
>
> http://www.fernempfangsradio.de/start.html
>
> http://www.pappradio.de/typo3/ (Starsite)
>
> http://o28.sischa.net/fifisdr/trac (German FIFI project)
>
> http://www.darc.de/distrikte/l/02/sdr/ (LIMA Transceiver + 100W PA)
>
> http://www.yoyodyneconsulting.ca/pages/SDR-Widget-lite.html Transceiver
>
> http://www.kb9yig.com/
>
> http://www.genesisradio.com.au/ Transceiver
>
> http://www.nt7v.com/index.html
>
> http://zao.jp/radio/soft66ad/ (Japan)
>
> http://www.lazydogengineering.com Transceiver
>
> http://www.sdr-kits.net/
>
> http://py2wm.qsl.br/SDR/SDRZero-2.html
>
> http://www.qrz.lt/ly1gp/SDR/
>
> http://www.rfsystem.it/shop/ Transceiver
>
> http://www.comsistel.com/Ciao%20Radio.htm
>
> http://www.nti-online.de/edirabox.htm
>
> http://wb6dhw.com/For_Sale.html UHF SDR Transceiver
>
> http://www.wb5rvz.com/sdr/ensemble/ Transceiver
> USB2SDR new project from SV1EIA http://www.wb5rvz.com/usb2sdr/index.htm
> (Transceiver?)
>
> http://users.skynet.be/myspace/mdsr
>
> http://www.iw3aut.altervista.org/
>
> http://www.wb5rvz.com/sdr/mobo43/
>
> http://www.dh1tw.de/fa-sdr-trx-funkamateur-allband-sdr Transceiver
>
> Fernempfangsradio II Harzburg SDR QRP Shope Germany
>

> ADS-B Aircraft Receiver
> http://www.sprut.de/electronic/pic/projekte/adsb/adsb.htm#pc
>
> CrossCountry General Coverage QSD SDR-4 Rx
> http://www.crosscountrywireless.net/sdr-4.htm
>
> MDSDR Software http://users.skynet.be/myspace/mdsr/
>
> ON6MU Software: http://users.belgacom.net/hamradio/index.htm
>
> SoDiRa Software SDR http://www.dsp4swls.de/sodira/sodiraeng.html
>
> http://www.lazydogengineering.com/LD-1TR_Transceiver.html Transceiver
>
> SDR Weather Radio Kit http://alternet.us.com/?p=1398
>
> German FiFi website info: http://o28.sischa.net/fifisdr/trac/wiki/rockprog
>
> Hunter Kit - UK http://www.radio-kits.co.uk/hunter/index.htm
>
> SDR-1 from Henchman Labs - Electronics is Fun:
> http://www.electronicsisfun.com/sdr-1/
>
> BX-200 SDR Transceiver - http://www.box73.de
>
> Bruce KF1Z new U.S. Distributor for Genesis G11 Radio --
> kf1z@...
>
> Add on kits for SoftRock:
> http://mobokits.stormwarning.org/content/about-mobo
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> PM-SDR v2.2 with both 6M and 4M reception
> http://www.iw3aut.altervista.org/index.htm
>
> NT7V QSD/QSE Transceiver kit $75 http://www.nt7v.com/html/qsd-qse.html
>
> LazyDog Engineering LD-1TR QRP Transceiver
> http://shop.lazydogengineering.com/LD-1TR-Software-Defined-Transceiver-5354022.htm
>
> AVR Elector Magazine SDR Receiver with microprocessor
>
> RTL-SDR
> http://dangerousprototypes.com/2012/03/20/introducing-rtl-sdr-a-20-sdr/
>
> Elonics "P160" RealTek TRL2832U + E4000 DVG-TV SDR
>
> https://groups.google.com/forum/#!forum/ultra-cheap-sdr
>

> OsMond RTL-SDR
>
> SeaSDR_40 from eBay
>
> SoftRock RXTX cases and many other goodies KM5H Store
> ----------
>
> 73 de Ken N9VV
>
> On 7/26/2013 1:33 PM, Neil R. Ormos N9NL wrote:
> > Ken N9VV wrote:
> >
> > > We are entering into a fantastic time of new Software Defined Radio
> > > equipment.
> >
> > > How about that list to begin a new topic about Direct Down Conversion
> > > receivers and Direct Up Conversion Transmitters? The same technology
> > > used in over 500 Million CellPhones worldwide :-)
> >
> > Any thoughts, Ken, on practical ways to reuse an old
> > cellular phone to provide a low-cost entry point into SDR
> > that might offer better performance than, say, Softrock or
> > BeRadio?
> >
> > 73
> >
> > --Neil Ormos N9NL
> >
>

533. Electric Imp

Yahoo group: sdr-users
Date: 2013-07-28 03:42:12 UTC
From: sdr.dongle
Topic: 533 Message: 533

Anyone looked into using the Electric Imp to develope a really cheap full featured computer/radio ???

Looks like Electric Imp has already built most of it for pocket change.

Look at this page and be astonished.

http://www.karlssonrobotics.com/cart/electric-imp/?ecn

Bob

kd4lv

534. Re: Electric Imp

Yahoo group: sdr-users
Date: 2013-07-28 03:55:36 UTC
From: wb4jfi
Topic: 533 Message: 534

If I remember, the Imp MUST have Internet connectivity, and "phone home" to servers in California to do anything. While the company says the won't charge for non-production Imp usage, that could change.

At least that's what I remember from when Sparkfun started carrying them. It could have changed, but it could also change back?
Terry, WB4JFI

--- In sdr-users@yahoogroups.com, "sdr.dongle" <sdr.dongle@...> wrote:
>
>
> Anyone looked into using the Electric Imp to develope a really cheap full featured computer/radio ???
>
> Looks like Electric Imp has already built most of it for pocket change.
>
>
> Look at this page and be astonished.
>
> http://www.karlssonrobotics.com/cart/electric-imp/?ecn
>
>
> Bob
>
> kd4lv
>

535. Re: Electric Imp

Yahoo group: sdr-users
Date: 2013-07-28 04:35:28 UTC
From: Bob
Topic: 533 Message: 535

My understanding is that the preferred way to program the Imp is to develop the software in a browser with a PC/laptop (in conjunction with the companies cloud based servers) and store it in the cloud, the Imp is able to download it via wifi..

and you are correct in that it is tied to the companies servers. but, does it not have the capability to run a browser and access the internet as any computer. I suppose that someone will need to code a browser, or borrow one of the small LINUX ones, since the Imp runs on a modified LINUX kernel.

If it will connect via Telnet and/or TCP/IP, then it should make an excellent server since the memory has been increased.

I found it amazing that such a small device, the size of a mini flash card, contains a wifi, usb, CPU, memory, analog input/output, etc....

It appears to be an operational computer with wifi input/output, instead of keyboard/mouse/monitor. And, also appears that the three devices can be added rather simply..

What does it need to be able to attach an USB dongle ? (besides software)

I saw several boards with the device embedded. Really, it seems that it would not be a major problem to embed the device in a dongle housing.

I did not see an I/Q device, maybe I overlooked it... but, does it really need it if used with a dongle?

Apparently there is something that I overlooked since I have not seen one used with SDR yet.

bob

kd4lv

536. Re: [sdr-users] Electric Imp

Yahoo group: sdr-users
Date: 2013-07-28 06:59:02 UTC
From: XV4Y
Topic: 533 Message: 536

This device embed a Cortex-M3 which does not have nor NEON (SIMD instructions) neither Floating Point units.
While it can do some useful maths and be useful for an SDR, it is far from enough for 16 bits/44KHz I/Q decoding, FFT and filtering.

Something like the TI TIVA C Launchpad or better STM32F4DISCOVERY will have much more computing power and will not be more expensive.
The TI C2000 Launchpad embed a DSP. It is aimed to real-time embedded computing, not really signal processing, I don't how good it can do for SDR things.

73,
Yan.

Yannick DEVOS - XV4Y
http://xv4y.radioclub.asia/

Le 28 juil. 2013 à 10:42, sdr.dongle a écrit :

>
> Anyone looked into using the Electric Imp to develope a really cheap full featured computer/radio ???
>
> Looks like Electric Imp has already built most of it for pocket change.
>
> Look at this page and be astonished.
>
> http://www.karlssonrobotics.com/cart/electric-imp/?ecn
>
> Bob
>
> kd4lv
>
>

537. UPLOADED: Link to SDR Transceiver: Warranties, Recalls, Service and Repairs...

Yahoo group: sdr-users
Date: 2013-07-28 14:24:39 UTC
From: sdr.users
Topic: 537 Message: 537

Good morning friends,

In furthering the Educational and Informative purpose of this Software Defined Radio (SDR) User's Discussion Group, we have up loaded a link to:

The SDR Transceiver: Warranties, Recalls, Service and Repairs and Customer Support. Four separate issues.

The link can be found at our Links section:
http://groups.yahoo.com/group/sdr-users/links

Please enjoy.

All the best 73,

Juan /K4LCD

539. Re: new topic: how about DDC/DUC

Yahoo group: sdr-users
Date: 2013-07-28 15:48:08 UTC
From: magooslum
Topic: 508 Message: 539

Yes, Wow, that is some list! That is great. I didn't see the Peaberry v2 Transceiver kit on there.

http://ae9rb.com/index.php?main_page=product_info&cPath=1&products_id=8

I think this one is especially attractive as the 24 bit, 96 KHz audio in/out I/Q interface is built in eliminating the notoriously questionable quality of sound-cards in addition to the noise introduced from their cabling.

It is an inexpensive kit, for a transceiver, and about the only downside for some is that it uses surface mount components. The build instructions look concise and complete. From the support forum it seems that few builders run into trouble.

I purchased the kit but am stuck waiting until my hand is usable again after a recent surgery!! Since everything about this project is open source, including the firmware, and it uses standard, generic drivers for USB sound interface, Si570 freq synth,... it appeared to be a slam dunk for my desire of a qrp sdr transceiver kit that I could hack into the rig I desire over time. It covers four bands of my choosing at build time but I already know how I may expand that to cover all bands from 160M to 10M.

It would be nice if any other sdr starter radios that didn't make the list could be brought to everyone's attention so they could be added. Likely you have 99.9% of them, from all appearances. Thanks again for the great list and for sharing it. Collecting sdr radios could become addictive :-)

73, Paul NT7U

--- In sdr-users@yahoogroups.com, Ken N9VV <n9vv@...> wrote:
>
> Hi Neil, no, the cellphone was designed to be an integral part of a Cell
> phone network with companies offering *proprietary* transceiver
> connected service - unlike Ham Radio :-)
>
> Here is a list of very inexpensive SDR starter radio's that you might
> want to try, if you are pleased with the "QSD" Architecture:
> --
> http://yu1lm.qrpradio.com Avala01 transceiver by YU1LM
>
> http://www.oz9aec.net/index.php/gnu-radio/gqrx-sdr
>
> http://www.linkrf.ch/IQ+.html Adaptive Polarization (diversity) VHF/UHF
>
> http://shop.ebay.com/jayw5olf/m.html?_trksid=p4340.l2562 WSPR 3W QRP
> single board
>
> http://groups.yahoo.com/group/Software_Defined_Radio_USA/ (inactive?)
>

> Re-issue of famous Genesis-G40 by UK SDR Club
> http://softwaredefinedradio.co.uk/pg/start
>
> The FunCube 64Mha-1.7Ghz http://www.funcubedongle.com/
>
> IQ+ dual receiver QSD unit for sophisticated EME
>
> http://www.crosscountrywireless.net/sdr_receiver.htm
>
> http://www.mydarc.de/dk3wi/html/sdr.html Transceiver
>
> http://www.b-kainka.de/sdrusb.html
>
> http://www.qsl.net/k5bcq/Kits/Kits.html Transceiver
>
> 13 kits http://www.box73.de/
>
> http://shop.ebay.com/kafa2500/m.html
>
> http://www.sdr-cube.com/ Transceiver
>
> http://www.elektor.com/magazines/2007/may/software-defined-radio.91527.lynkx
>
> http://www.fernempfangsradio.de/start.html
>
> http://www.pappradio.de/typo3/ (Starsite)
>
> http://o28.sischa.net/fifisdr/trac (German FIFI project)
>
> http://www.darc.de/distrikte/l/02/sdr/ (LIMA Transceiver + 100W PA)
>
> http://www.yoyodyneconsulting.ca/pages/SDR-Widget-lite.html Transceiver
>
> http://www.kb9yig.com/
>
> http://www.genesisradio.com.au/ Transceiver
>
> http://www.nt7v.com/index.html
>
> http://zao.jp/radio/soft66ad/ (Japan)
>
> http://www.lazydogengineering.com Transceiver
>
> http://www.sdr-kits.net/
>
> http://py2wm.qsl.br/SDR/SDRZero-2.html
>
> http://www.qrz.lt/ly1gp/SDR/
>
> http://www.rfsystem.it/shop/ Transceiver

>
> http://www.comsistel.com/Ciao%20Radio.htm
>
> http://www.nti-online.de/edirabox.htm
>
> http://wb6dhw.com/For_Sale.html UHF SDR Transceiver
>
> http://www.wb5rvz.com/sdr/ensemble/ Transceiver
> USB2SDR new project from SV1EIA http://www.wb5rvz.com/usb2sdr/index.htm
> (Transceiver?)
>
> http://users.skynet.be/myspace/mdsr
>
> http://www.iw3aut.altervista.org/
>
> http://www.wb5rvz.com/sdr/mobo43/
>
> http://www.dh1tw.de/fa-sdr-trx-funkamateur-allband-sdr Transceiver
>
> Fernempfangsradio II Harzburg SDR QRP Shope Germany
>
> ADS-B Aircraft Receiver
> http://www.sprut.de/electronic/pic/projekte/adsb/adsb.htm#pc
>
> CrossCountry General Coverage QSD SDR-4 Rx
> http://www.crosscountrywireless.net/sdr-4.htm
>
> MDSDR Software http://users.skynet.be/myspace/mdsr/
>
> ON6MU Software: http://users.belgacom.net/hamradio/index.htm
>
> SoDiRa Software SDR http://www.dsp4swls.de/sodira/sodiraeng.html
>
> http://www.lazydogengineering.com/LD-1TR_Transceiver.html Transceiver
>
> SDR Weather Radio Kit http://alternet.us.com/?p=1398
>
> German FiFi website info: http://o28.sischa.net/fifisdr/trac/wiki/rockprog
>
> Hunter Kit - UK http://www.radio-kits.co.uk/hunter/index.htm
>
> SDR-1 from Henchman Labs - Electronics is Fun:
> http://www.electronicsisfun.com/sdr-1/
>
> BX-200 SDR Transceiver - http://www.box73.de
>
> Bruce KF1Z new U.S. Distributor for Genesis G11 Radio --
> kf1z@...
>
> Add on kits for SoftRock:

> http://mobokits.stormwarning.org/content/about-mobo
>
> SunSDR with documentation from .ru
>
> PM-SDR v2.2 with both 6M and 4M reception
> http://www.iw3aut.altervista.org/index.htm
>
> NT7V QSD/QSE Transceiver kit $75 http://www.nt7v.com/html/qsd-qse.html
>
> LazyDog Engineering LD-1TR QRP Transceiver
> http://shop.lazydogengineering.com/LD-1TR-Software-Defined-Transceiver-5354022.htm
>
> AVR Elector Magazine SDR Receiver with microprocessor
>
> RTL-SDR
> http://dangerousprototypes.com/2012/03/20/introducing-rtl-sdr-a-20-sdr/
>
> Elonics "P160" RealTek TRL2832U + E4000 DVG-TV SDR
>
> https://groups.google.com/forum/#!forum/ultra-cheap-sdr
>
> OsMond RTL-SDR
>
> SeaSDR_40 from eBay
>
> SoftRock RXTX cases and many other goodies KM5H Store
> --
>
> 73 de Ken N9VV
>
> On 7/26/2013 1:33 PM, Neil R. Ormos N9NL wrote:
> > Ken N9VV wrote:
> >
> > > We are entering into a fantastic time of new Software Defined Radio
> > > equipment.
> >
> > > How about that list to begin a new topic about Direct Down Conversion
> > > receivers and Direct Up Conversion Transmitters? The same technology
> > > used in over 500 Million CellPhones worldwide :-)
> >
> > Any thoughts, Ken, on practical ways to reuse an old
> > cellular phone to provide a low-cost entry point into SDR
> > that might offer better performance than, say, Softrock or
> > BeRadio?
> >
> > 73
> >
> > --Neil Ormos N9NL
> >
>

547. Re: KISS wining Telephone Customer Support marketing strategy for (SDR) uploaded.

Yahoo group: sdr-users
Date: 2013-07-28 18:30:28 UTC
From: dgw007
Topic: 504 Message: 547

Immature behaviour on the forum... , just leave and that's it, we don't all need to know, it is of no interest to the majority of us , the whole post title shouts SPAM

don't bother replying, just leave as you have stated you will

Thank you and good bye

--- In sdr-users@yahoogroups.com, "Calder Latham" <calder_b@...> wrote:
>
> Since this is a Product Specific discussion (I thought this was to be a GENERAL discussion group) I agree with the manufacturer, Apache!!!
>
> Cal.
>
>
> W1HHO from the woods of Maine.
>
>
>
> From: sdr.users
> Sent: Friday, July 26, 2013 5:44 AM
> To: sdr-users@yahoogroups.com
> Subject: [sdr-users] KISS wining Telephone Customer Support marketing strategy for (SDR) uploaded.
>
>
> Good morning friends,
>
> To further the educational and informative purposes of this SDR (Software Defined Radio) User's Discussion Group I have uploaded this document that can be found in the Files section. Text follows.
>
> Please enjoy,
>
> 73,
>
> Juan /K4LCD
>
> Proven KISS wining Telephone Customer Support marketing strategy for (SDR) manufacturers.
>
> At every Marketing course and seminar that I have attended, the Professor/Trainer/Teacher, has tried to teach us that the best Marketing solution is always the simplest one. That it should be searched for, found and applied.

>
> KISS stands for: Keep It Simple Stupid. It is repeated, daily, time and time again, at Marketing Divisions, Marketing Schools, Colleges, Universities, and wherever a Marketing Strategy was planned.
>
> Since a Software Defined Radio is just a brick that does nothing unless somehow it is connected to a power supply, a computer, and software to run, a potential purchaser, a Radio Amateur with various levels of technical experience in electronics and informatics, and who later will become a user needs to know before he decides to purchase the radio answers to many questions.
>
> The KISS Marketing Strategy is already telling us that these Radio Amateurs with various levels of technical experience in electronics and informatics will need to find answers to these questions "from a trusted source", the company from whom they will purchase their SDR radio.
>
> After he purchases and pays for his radio he will need assistance, again from the same "trusted source", the company that he purchased his SDR from . The friendly Telephone Customer Support Person is there to assist him, step by step, to help him have a happy SDR experience, regardless of his level of technical and informatics knowledge.
>
> Successful SDR marketer, Gerald Youngblood recognized this early on when he established Telephone Customer Technical Support for his products. Apache Labs Private Limited similarly began marketing their ANAN radios advertising Customer Support for North America with a Telephone Support Person. Apache Labs Private Limited discontinued this service a few days ago.
>
> Who can provide this Telephone Customer Support and at what cost? There would be many very competent, highly skilled in electronics and informatics Radio Amateurs, that would consider providing this service from their home for sufficient compensation to complement their retirement income. Perhaps even for several hundred dollars per month.
>
> User's Groups should only be a complement to that "trusted Source" , the friendly Telephone Customer Support Person.
>
> We publish this document in furthering the non-profit educational and informative purpose of the SDR (Software Defined Radio) User's Discussion Group.
>
> July 26, 2013
> Juan A. Granados /K4LCD
>

549. Staying Put

Yahoo group: sdr-users
Date: 2013-07-28 19:22:07 UTC
From: Jeff Cook
Topic: 549 Message: 549

Seems a rather extreme reaction, after all you don't have to read the whole of a posting to know whether it's your kind of thing or not, and pressing delete takes just a fraction of a second. I'm in no hurry to leave.

Jeff Cook, G0AFQ.

551. Re: KISS wining Telephone Customer Support marketing strategy for (SDR) uploaded.

Yahoo group: sdr-users
Date: 2013-07-28 19:32:48 UTC
From: wb4jfi
Topic: 504 Message: 551

I'm confused... immature behavior by whom? The people leaving, or the poster/owner carrying out what appears to be a personal vendetta.

The exodus has taken away some of the leading minds in SDR hardware and software design, in case you haven't noticed (or don't know any better). Not just us riff-raff, but people with real SDR chops. Significant SDR contributors, especially the first few. Go look them up. Seriously, stop reading this right now, and Google them.

It's a shame. Juan was building a nice go-to place for general SDR information. Then, this tilting at the Apache Labs windmill happened. I do not own one, so I'm not biased either way. One reason why I don't have one is the exact problem Juan brings up. One comment, or possibly two could be considered an advisement to the group. It didn't stop there, however. Every day brings something new.

I've got lots of various SDRS, some cheap, some rather costly. I like pushing advanced technologies for amateur radio, and my current favorite is SDR. I DO value the money invested, so I get it when something bad happens, and you are upset. But, Juan should give it a rest for a little bit and see if Abhi comes though with his stated solution, rather than finding a new, fresh way to continue the rant each day.

For dgw007 (funny callsign/name, that): I will stick here for just a little more, if the group owner lets me. I will not just leave. But, I will state that if the noise level increases much further, I'm cutting bait as well. BTW, the group owner is the one that created the title originally, not the people leaving. He spammed his own group?

Juan, was it worth it? To lose some prime SDR movers and shakers just to vent about a vendor's perceived (and probably temporary) status change?
Terry, WB4JFI

--- In sdr-users@yahoogroups.com, "dgw007" <dgwooldridge@...> wrote:
>
>
> Immature behaviour on the forum... , just leave and that's it, we don't all need to know, it is of no interest to the majority of us , the whole post title shouts SPAM
>
> don't bother replying, just leave as you have stated you will
>
> Thank you and good bye
>
>
>
> --- In sdr-users@yahoogroups.com, "Calder Latham" <calder_b@> wrote:
> >
> > Since this is a Product Specific discussion (I thought this was to be a GENERAL discussion group) I agree with the manufacturer, Apache!!!

> >
> > Cal.
> >
> >
> > W1HHO from the woods of Maine.
> >
> >
> >
> > From: sdr.users
> > Sent: Friday, July 26, 2013 5:44 AM
> > To: sdr-users@yahoogroups.com
> > Subject: [sdr-users] KISS wining Telephone Customer Support marketing strategy for (SDR) uploaded.
> >
> >
> > Good morning friends,
> >
> > To further the educational and informative purposes of this SDR (Software Defined Radio) User's Discussion Group I have uploaded this document that can be found in the Files section. Text follows.
> >
> > Please enjoy,
> >
> > 73,
> >
> > Juan /K4LCD
> >
> > Proven KISS wining Telephone Customer Support marketing strategy for (SDR) manufacturers.
> >
> > At every Marketing course and seminar that I have attended, the Professor/Trainer/Teacher, has tried to teach us that the best Marketing solution is always the simplest one. That it should be searched for, found and applied.
> >
> > KISS stands for: Keep It Simple Stupid. It is repeated, daily, time and time again, at Marketing Divisions, Marketing Schools, Colleges, Universities, and wherever a Marketing Strategy was planned.
> >
> > Since a Software Defined Radio is just a brick that does nothing unless somehow it is connected to a power supply, a computer, and software to run, a potential purchaser, a Radio Amateur with various levels of technical experience in electronics and informatics, and who later will become a user needs to know before he decides to purchase the radio answers to many questions.
> >
> > The KISS Marketing Strategy is already telling us that these Radio Amateurs with various levels of technical experience in electronics and informatics will need to find answers to these questions "from a trusted source", the company from whom they will purchase their SDR radio.
> >
> > After he purchases and pays for his radio he will need assistance, again from the same

"trusted source", the company that he purchased his SDR from . The friendly Telephone Customer Support Person is there to assist him, step by step, to help him have a happy SDR experience, regardless of his level of technical and informatics knowledge.
> >
> > Successful SDR marketer, Gerald Youngblood recognized this early on when he established Telephone Customer Technical Support for his products. Apache Labs Private Limited similarly began marketing their ANAN radios advertising Customer Support for North America with a Telephone Support Person. Apache Labs Private Limited discontinued this service a few days ago.
> >
> > Who can provide this Telephone Customer Support and at what cost? There would be many very competent, highly skilled in electronics and informatics Radio Amateurs, that would consider providing this service from their home for sufficient compensation to complement their retirement income. Perhaps even for several hundred dollars per month.
> >
> > User's Groups should only be a complement to that "trusted Source" , the friendly Telephone Customer Support Person.
> >
> > We publish this document in furthering the non-profit educational and informative purpose of the SDR (Software Defined Radio) User's Discussion Group.
> >
> > July 26, 2013
> > Juan A. Granados /K4LCD
> >
>

558. Re: [sdr-users] Staying Put

Yahoo group: sdr-users
Date: 2013-07-28 22:19:57 UTC
From: Black Wolfe
Topic: 549 Message: 558

Yup. don't bother slamming the door. I'll be just fine staying here with a heavy hand on the delete key learning what I can.
;)
Bruce W.
KV4OE
==========

----- Original Message -----
From: "Jeff Cook"

> Seems a rather extreme reaction, after all you don't have to read the
> whole
> of a posting to know whether it's your kind of thing or not, and pressing
> delete takes just a fraction of a second. I'm in no hurry to leave.
>
> Jeff Cook, G0AFQ.

567. New guy

Yahoo group: sdr-users
Date: 2013-07-29 03:25:52 UTC
From: Larry Irwin
Topic: 567 Message: 567

Hi everyone,

I just joined the group and wanted to say hello. I am kind of an old-timer having been first licensed in 1968. I have been following the development of SDR with great interest. I think that it is the most significant advance in radio technology that I have seen. I had a Softrock transceiver for a short time before fumble-fingers here screwed it up. I am an operator, not a technician. I used PowerSDR and absolutely loved the radio and the software. I keep hoping to get another SDR and promise never to open the cabinet. lol

--
73
Larry WB4HLX

568. AW: [sdr-users] Staying Put

Yahoo group: sdr-users
Date: 2013-07-29 10:27:51 UTC
From: siegfried jackstien
Topic: 549 Message: 568

My delete key is wiggling out :-)

Dg9bfc

sigi

> -----Ursprüngliche Nachricht-----
> Von: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] Im
> Auftrag von Black Wolfe
> Gesendet: Sonntag, 28. Juli 2013 22:20
> An: sdr-users@yahoogroups.com
> Betreff: Re: [sdr-users] Staying Put
>
>
>
> Yup. don't bother slamming the door. I'll be just fine staying here with a
> heavy hand on the delete key learning what I can.
> ;)
> Bruce W.
> KV4OE
> ==========
>
> ----- Original Message -----
> From: "Jeff Cook"
>
> > Seems a rather extreme reaction, after all you don't have to read the
> > whole
> > of a posting to know whether it's your kind of thing or not, and
> pressing
> > delete takes just a fraction of a second. I'm in no hurry to leave.
> >
> > Jeff Cook, G0AFQ.
>
>
>
>

572. Re: [sdr-users] SDR needed frequency range...

Yahoo group: sdr-users
Date: 2013-07-29 15:09:30 UTC
From: Neil R. Ormos N9NL
Topic: 572 Message: 572

josephrot wrote:

> Can we remind SDR makers that the SDR frequency
> range now needs to cover roughly 50 kHz to at
> least 30 MHz to "startw", with broader coverage
> into the higher frequencies as well or as an
> option ?

What are you listening to (or otherwise consuming)
below 535 KHz?

73

--Neil Ormos N9NL

573. Re: [sdr-users] new topic: how about DDC/DUC

Yahoo group: sdr-users
Date: 2013-07-29 15:35:55 UTC
From: Neil R. Ormos N9NL
Topic: 508 Message: 573

Ken N9VV wrote:
> Neil R. Ormos N9NL wrote:
>> Ken N9VV wrote:

>>> We are entering into a fantastic time of new Software Defined Radio
>>> equipment.

>>> How about that list to begin a new topic about Direct Down Conversion
>>> receivers and Direct Up Conversion Transmitters? The same technology
>>> used in over 500 Million CellPhones worldwide :-)

>> Any thoughts, Ken, on practical ways to reuse an old
>> cellular phone to provide a low-cost entry point into SDR
>> that might offer better performance than, say, Softrock or
>> BeRadio?

> Hi Neil, no, the cellphone was designed to be an integral part of a Cell
> phone network with companies offering *proprietary* transceiver
> connected service - unlike Ham Radio :-)

> Here is a list of very inexpensive SDR starter radio's that you might
> want to try, if you are pleased with the "QSD" Architecture:
> [List of more than 60 radios/vendors]

Wow, Ken, thanks for that big list! What a great
resource!

I was hoping someone may have considered how to
adapt some elements of existing mobile phones,
which as you note, use direct-down-conversion
receivers, etc., for use on other frequencies and
for other modes, in ham radio applications.

Much of the magic in mobile phones happens in the
so-called baseband processor. If someone could
figure out how to properly condition and inject a
signal into the BP, and have it deliver raw or
decimated samples out, perhaps that output stream
could be fed to some inexpensive computer (e.g.,
Raspberry Pi, Cubie, Beagle, or something newer
with more CPU) to form a complete receiver.

73

--Neil Ormos N9NL

574. Re: [sdr-users] SDR needed frequency range...

Yahoo group: sdr-users
Date: 2013-07-29 15:46:13 UTC
From: Ken N9VV
Topic: 572 Message: 574

New ham band proposed by ARRL/FCC for 474khz and 513khz :-)
de Ken N9VV

On 7/29/2013 10:09 AM, Neil R. Ormos N9NL wrote:
> josephrot wrote:
>
> > Can we remind SDR makers that the SDR frequency
> > range now needs to cover roughly 50 kHz to at
> > least 30 MHz to "startw", with broader coverage
> > into the higher frequencies as well or as an
> > option ?
>
> What are you listening to (or otherwise consuming)
> below 535 KHz?
>
> 73
>
> --Neil Ormos N9NL
>

575. Re: SDR needed frequency range...

Yahoo group: sdr-users
Date: 2013-07-29 15:46:55 UTC
From: josephrot
Topic: 572 Message: 575

You might not believe it, but besides amateur radio (what, you didn't know about that ?), broadcasting and other services are developing or about to be licenses into, the LW bands area from about 50 KHz to 500 KHz.

In fact, there's more being "built" and more promise than even the above.

Joe

--- In sdr-users@yahoogroups.com, "Neil R. Ormos N9NL" <ormos-lists@...> wrote:
>
> josephrot wrote:
>
> > Can we remind SDR makers that the SDR frequency
> > range now needs to cover roughly 50 kHz to at
> > least 30 MHz to "startw", with broader coverage
> > into the higher frequencies as well or as an
> > option ?
>
> What are you listening to (or otherwise consuming)
> below 535 KHz?
>
> 73
>
> --Neil Ormos N9NL
>

576. Re: [sdr-users] new topic: how about DDC/DUC

Yahoo group: sdr-users
Date: 2013-07-29 15:50:39 UTC
From: Ken N9VV
Topic: 508 Message: 576

Hi Neil,
I was speaking with a buddy who used to work for Motorola Cellular and he described their "CODEC" for digitizing speech. It turns out that their design was for "American English" and it was a total flop in the Asian countries where various tonalities (tones of voice?) express different words (Chinese for example). They had to go to great expense to re-invent their VOCODER firmware to sell in the Asian marketplace.

He said for fun to try and "sing into your cellphone" and the person on the other end will hear only garbage -- because the VOCODER will throw away what it thinks is "noise" and not speech.

I wonder how Hams are getting around that with PSK31 tones and phase changes?

Sure lots to learn out there in Cell phone land <lol>

all the best,
73 de Ken N9VV

577. AW: [sdr-users] SDR needed frequency range...

Yahoo group: sdr-users
Date: 2013-07-29 15:53:28 UTC
From: siegfried jackstien
Topic: 572 Message: 577

Not to forget experimental band 136 kc

And maybe dcf77 or similar

Ndb (non directional beacons)

Etc.

(longwave radio maybe ... or faxsimile on lw band?!?)

Dg9bfc

sigi

> -----Ursprüngliche Nachricht-----
> Von: sdr-users@yahoogroups.com [mailto:sdr-users@yahoogroups.com] Im
> Auftrag von Ken N9VV
> Gesendet: Montag, 29. Juli 2013 15:46
> An: sdr-users@yahoogroups.com; Neil R. Ormos N9NL
> Betreff: Re: [sdr-users] SDR needed frequency range...
>
>
>
> New ham band proposed by ARRL/FCC for 474khz and 513khz :-)
> de Ken N9VV
>
> On 7/29/2013 10:09 AM, Neil R. Ormos N9NL wrote:
> > josephrot wrote:
> >
> > > Can we remind SDR makers that the SDR frequency
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> > > into the higher frequencies as well or as an
> > > option ?
> >
> > What are you listening to (or otherwise consuming)
> > below 535 KHz?
> >
> > 73
> >
> > --Neil Ormos N9NL
> >
>
>
>

578. RE: [sdr-users] New guy

Yahoo group: sdr-users
Date: 2013-07-29 16:07:12 UTC
From: Larry Ewan
Topic: 567 Message: 578

Larry,

Welcome to the group. For max bang for the buck, I suggest that you look at the Afedri V3.0 Net SDR. It's well designed and works very well with SDR-Radio V2.0. The SDR is $249 and SDR-Radio is free. For most listening its output is indistinguishable from my Perseus for which I paid 5X as much.

Larry
N9JY

Hi everyone,

I just joined the group and wanted to say hello. I am kind of an old-timer having been first licensed in 1968. I have been following the development of SDR with great interest. I think that it is the most significant advance in radio technology that I have seen. I had a Softrock transceiver for a short time before fumble-fingers here screwed it up. I am an operator, not a technician. I used PowerSDR and absolutely loved the radio and the software. I keep hoping to get another SDR and promise never to open the cabinet. lol

--
73
Larry WB4HLX

579. Re: [sdr-users] Re: SDR needed frequency range...

Yahoo group: sdr-users
Date: 2013-07-29 17:55:11 UTC
From: mstangelo@...
Topic: 572 Message: 579

I know that here may be some new DGPS or matitime NAVTEX services coming to the LW band but I wasn't aware of any new broadcast services. I believe the LW as well as MF broadcast stations will eventually disappear.

The marine beacons are gone and the aeronautical beacons are disappearing.

Mike N2MS

----- Original Message -----
From: josephrot <joerotello@...>
To: sdr-users@yahoogroups.com
Sent: Mon, 29 Jul 2013 15:46:55 -0000 (UTC)
Subject: [sdr-users] Re: SDR needed frequency range...

You might not believe it, but besides amateur radio (what, you didn't know about that ?), broadcasting and other services are developing or about to be licenses into, the LW bands area from about 50 KHz to 500 KHz.

In fact, there's more being "built" and more promise than even the above.

Joe

580. Re: SDR needed frequency range...

Yahoo group: sdr-users
Date: 2013-07-29 18:58:03 UTC
From: josephrot
Topic: 572 Message: 580

Frankly, I thunk much the same for quite a while.

Yet, now we are seeing U.S. FCC Applications from a fairly wide range of individuals, groups, broadcast organizations, experimenters, governments, etc...and their topic is the "50 kHz to 500 kHz range of established frequencies", to quote a few of them.

LW...dead ? Strangely or not, not dead.

Joe

--- In sdr-users@yahoogroups.com, mstangelo@... wrote:
>
> I know that here may be some new DGPS or matitime NAVTEX services coming to the LW band but I wasn't aware of any new broadcast services. I believe the LW as well as MF broadcast stations will eventually disappear.
>
> The marine beacons are gone and the aeronautical beacons are disappearing.
>
> Mike N2MS
>
> ----- Original Message -----
> From: josephrot <joerotello@...>
> To: sdr-users@yahoogroups.com
> Sent: Mon, 29 Jul 2013 15:46:55 -0000 (UTC)
> Subject: [sdr-users] Re: SDR needed frequency range...
>
> You might not believe it, but besides amateur radio (what, you didn't know about that ?), broadcasting and other services are developing or about to be licenses into, the LW bands area from about 50 KHz to 500 KHz.
>
> In fact, there's more being "built" and more promise than even the above.
>
> Joe
>

584. The Home page screen shot

Yahoo group: sdr-users
Date: 2013-07-30 02:07:29 UTC
From: josephrot
Topic: 584 Message: 584

A quick question or two...

The screen shot on the Group Home page...

What product or software is that a screen shot of ?

Any distinct URL we might visit for it ?

Have searched the Messages, as well, but no "ID" turns up.

Thank you.

Joe
Knoxville, TN

585. Re: [sdr-users] The Home page screen shot

Yahoo group: sdr-users
Date: 2013-07-30 02:25:08 UTC
From: Kevin Morgan
Topic: 584 Message: 585

At the bottom of the welcome screen is the following.

* Note: Image of DL3HVH's CuSDR Open Source software, showing 4 x (four) slice receivers.

Kevin J Morgan AB2ZI kmorgan6@...

On Jul 29, 2013, at 10:07 PM, josephrot <joerotello@...> wrote:

> A quick question or two...
>
> The screen shot on the Group Home page...
>
> What product or software is that a screen shot of ?
>
> Any distinct URL we might visit for it ?
>
> Have searched the Messages, as well, but no "ID" turns up.
>
> Thank you.
>
> Joe
> Knoxville, TN
>
>
>
> ------------------------------------
>
> Yahoo! Groups Links
>
>
>

586. Re: The Home page screen shot

Yahoo group: sdr-users
Date: 2013-07-30 11:30:27 UTC
From: n1rx
Topic: 584 Message: 586

What should also be stated is that CuSDR only works with HPSDR/Apache Labs hardware. It is not a generic "IQ" input SDR program.
73
Bruce
N1RX

--- In sdr-users@yahoogroups.com, Kevin Morgan <kmorgan6@...> wrote:
>
> At the bottom of the welcome screen is the following.
>
> * Note: Image of DL3HVH's CuSDR Open Source software, showing 4 x (four) slice receivers.
>
> Kevin J Morgan AB2ZI kmorgan6@...
>
> On Jul 29, 2013, at 10:07 PM, josephrot <joerotello@...> wrote:
>
> > A quick question or two...
> >
> > The screen shot on the Group Home page...
> >
> > What product or software is that a screen shot of ?
> >
> > Any distinct URL we might visit for it ?
> >
> > Have searched the Messages, as well, but no "ID" turns up.
> >
> > Thank you.
> >
> > Joe
> > Knoxville, TN
> >
> >
> >
> > ------------------------------------
> >
> > Yahoo! Groups Links
> >
> >
> >
>

587. Re: cuSDR: The Home page screen shot

Yahoo group: sdr-users
Date: 2013-07-30 12:27:20 UTC
From: josephrot
Topic: 584 Message: 587

Many thanks, Bruce, as your one line if kind information answered literally hours of questions.

After four+ hours of fruitless Internet searches and web-sites, it became obvious that cuSDR is a very good idea, but it was impossible to locate reasonable info concentrated in one place.

Even the eventually-found HPSDR/Apache Labs website, cuSDR information was incredibly mixed in with other materials, even cuSDR YouTube videos offered no information, and was so hard to find that I gave up at 1:30 AM this morning.

If cuSDR's programmers, users and prospective users want information, they must get confused themselves, as to how exasperatingly hard it's buried.

Joe

--- In sdr-users@yahoogroups.com, "n1rx" <bruce.beford@...> wrote:
>
> What should also be stated is that CuSDR only works with HPSDR/Apache Labs hardware. It is not a generic "IQ" input SDR program.
> 73
> Bruce
> N1RX
>
<< snipped for message brevity >>

589. re: cuSDR64 by Hermann DL3HVH

Yahoo group: sdr-users
Date: 2013-07-30 13:29:06 UTC
From: Ken N9VV
Topic: 589 Message: 589

Hi,
cuSDR64 is the name of one of the programs that have been written by Hermann DL3HVH in Germany. Hermann used the beautiful SDRMAX-III written in 2008 by N8VB and Cathy Moss in the U.K. cuSDR32 and cuSDR64 are currently targeted for the Ethernet interface of the Apache Labs DDC/DUC Transceivers.

One of Hermann's skills is his ability to Parallelize portions of the code for amazing performance. He has used "CUDA" to use the hundreds of Graphical Processing Units in Nvidia video cards (GPU). Another opportunity is to use the new "OpenCL" standard which is discussed here:
http://blog.qt.digia.com/blog/2010/04/07/using-opencl-with-qt/

Here are some links to Hermann's beautiful work:
Blog:
https://plus.google.com/107168125384405552048/posts

Source and executable code:
http://svn.tapr.org/repos_sdr_hpsdr/trunk/DL3HVH/

cuSDR32:
http://openhpsdr.org/downloads/programs/cuSDR32_MSVS.zip

cuSDR64:
http://openhpsdr.org/downloads/programs/cuSDR64_MSVS.zip

We are all so fortunate to have skilled programmers with such a great intellect and curiosity for the future. Parallel operation of code in a processor with many "cores" or "hyper-threads" or GPU's will bring us to entirely new levels of application performance.

Thank you Hermann for all you have done to demonstrate these new technologies.

73 de Ken N9VV
--
+???+,??,+???~ ~???+,??,+???+

590. Re: [sdr-users] re: cuSDR64 by Hermann DL3HVH

Yahoo group: sdr-users
Date: 2013-07-30 14:11:39 UTC
From: Chris Wilson
Topic: 589 Message: 590

>
> Hi,
> cuSDR64 is the name of one of the programs that have been written by
> Hermann DL3HVH in Germany. Hermann used the beautiful SDRMAX-III written
> in 2008 by N8VB and Cathy Moss in the U.K. cuSDR32 and cuSDR64 are
> currently targeted for the Ethernet interface of the Apache Labs DDC/DUC
> Transceivers.

> One of Hermann's skills is his ability to Parallelize portions of the
> code for amazing performance. He has used "CUDA" to use the hundreds of
> Graphical Processing Units in Nvidia video cards (GPU). Another
> opportunity is to use the new "OpenCL" standard which is discussed here:
> http://blog.qt.digia.com/blog/2010/04/07/using-opencl-with-qt/

> Here are some links to Hermann's beautiful work:
> Blog:
> https://plus.google.com/107168125384405552048/posts

> Source and executable code:
> http://svn.tapr.org/repos_sdr_hpsdr/trunk/DL3HVH/

> cuSDR32:
> http://openhpsdr.org/downloads/programs/cuSDR32_MSVS.zip

> cuSDR64:
> http://openhpsdr.org/downloads/programs/cuSDR64_MSVS.zip

> We are all so fortunate to have skilled programmers with such a great
> intellect and curiosity for the future. Parallel operation of code in a
> processor with many "cores" or "hyper-threads" or GPU's will bring us to
> entirely new levels of application performance.

> Thank you Hermann for all you have done to demonstrate these new
> technologies.

> 73 de Ken N9VV

30/07/2013 15:10

Thanks for the collated info Ken! Is there any place where
recommended hardware to run cuSDR effectively is to be found?

--
Best Regards,
Chris Wilson.

591. Re: [sdr-users] re: cuSDR64 by Hermann DL3HVH

Yahoo group: sdr-users
Date: 2013-07-30 14:15:25 UTC
From: Hermann
Topic: 589 Message: 591

Dear Ken, All,

thanks a lot for all the hard work, Ken!

Just one thing I want to add: I have not used SDRMAX3 of Cathy as a basis for cuSDR; I only used part of Cathy's wonderful concept for the zoom-able scales, and that I did with her personal permission. Beside, cuSDR has its complete own SW architecture. And one thing: curently there are no Cuda-parts implemented in the versions for downloading.

And cuSDR is still Beta!

All the Best, Ken and everybody!

73, Hermann
DL3HVH

On Tue, Jul 30, 2013 at 3:29 PM, Ken N9VV <n9vv@...> wrote:

> **
>
>
> Hi,
> cuSDR64 is the name of one of the programs that have been written by
> Hermann DL3HVH in Germany. Hermann used the beautiful SDRMAX-III written
> in 2008 by N8VB and Cathy Moss in the U.K. cuSDR32 and cuSDR64 are
> currently targeted for the Ethernet interface of the Apache Labs DDC/DUC
> Transceivers.
>
> One of Hermann's skills is his ability to Parallelize portions of the
> code for amazing performance. He has used "CUDA" to use the hundreds of
> Graphical Processing Units in Nvidia video cards (GPU). Another
> opportunity is to use the new "OpenCL" standard which is discussed here:
> http://blog.qt.digia.com/blog/2010/04/07/using-opencl-with-qt/
>
> Here are some links to Hermann's beautiful work:
> Blog:
> https://plus.google.com/107168125384405552048/posts
>
> Source and executable code:
> http://svn.tapr.org/repos_sdr_hpsdr/trunk/DL3HVH/
>
> cuSDR32:
> http://openhpsdr.org/downloads/programs/cuSDR32_MSVS.zip
>
> cuSDR64:
> http://openhpsdr.org/downloads/programs/cuSDR64_MSVS.zip

>
> We are all so fortunate to have skilled programmers with such a great
> intellect and curiosity for the future. Parallel operation of code in a
> processor with many "cores" or "hyper-threads" or GPU's will bring us to
> entirely new levels of application performance.
>
> Thank you Hermann for all you have done to demonstrate these new
> technologies.
>
> 73 de Ken N9VV
> --
> +°´°+,¸¸,+°´°~ ~°´°+,¸¸,+°´°+
>
>

592. Re: [sdr-users] re: cuSDR64 by Hermann DL3HVH

Yahoo group: sdr-users
Date: 2013-07-30 14:27:24 UTC
From: Ken N9VV
Topic: 589 Message: 592

Hi Chris,
well the original code from N8VB was run beautifully on a QuickSilver QS1R. You can find out about his DDC receiver here:
http://www.srl-llc.com/

Then Hermann updated the code to use CUDA parallelism and now he has added the Ethernet interface to the Apache DDC/DUC transceivers. He is working on adding Transmit functions and should release a new version shortly.

If you are not familiar with the new DDC/DUC Software Defined Radio's, you might enjoy reading a little bit about them here:
http://en.wikipedia.org/wiki/Digital_Down_Converter
http://en.wikipedia.org/wiki/Digital_up_converter

The DDC/DUC technology is in use in about 500 million cell phones around the world :-) Now the same architecture is being applied to Ham Radio hardware, firmware, and software. There are DDC/DUC Transceiver offerings from FLEX, HiQSDR, ZS1SDR, SunSDR2, Apache, Elan, and OpenHPSDR.org. You can expect to see more later this year :-)

The OpenHPSDR group has a wonderful set of experimental boards that are all explained in detail and documented here: http://openhpsdr.org/

Hermann's software is written in the C++/Qt computer languages that run on virtually all platforms (MAC, WIN, LIN, Android). The pictures and movies that I have made were done on a small system using Windows-8.
Here is a link to my movies if you are interested:
<URL:
http://www.screencast.com/users/N9VV/folders/N9VV%20Instructional%20Video
>

does that give you a start on the cuSDR subject? Did I answer your question o.k.?

BK de Ken N9VV

On 7/30/2013 9:11 AM, Chris Wilson wrote:
>
>
> >
> > Hi,
> > cuSDR64 is the name of one of the programs that have been written by
> > Hermann DL3HVH in Germany. Hermann used the beautiful SDRMAX-III written
> > in 2008 by N8VB and Cathy Moss in the U.K. cuSDR32 and cuSDR64 are
> > currently targeted for the Ethernet interface of the Apache Labs DDC/DUC
> > Transceivers.

>
> > One of Hermann's skills is his ability to Parallelize portions of the
> > code for amazing performance. He has used "CUDA" to use the hundreds of
> > Graphical Processing Units in Nvidia video cards (GPU). Another
> > opportunity is to use the new "OpenCL" standard which is discussed here:
> > http://blog.qt.digia.com/blog/2010/04/07/using-opencl-with-qt/
>
> > Here are some links to Hermann's beautiful work:
> > Blog:
> > https://plus.google.com/107168125384405552048/posts
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> > Source and executable code:
> > http://svn.tapr.org/repos_sdr_hpsdr/trunk/DL3HVH/
>
> > cuSDR32:
> > http://openhpsdr.org/downloads/programs/cuSDR32_MSVS.zip
>
> > cuSDR64:
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>
> > We are all so fortunate to have skilled programmers with such a great
> > intellect and curiosity for the future. Parallel operation of code in a
> > processor with many "cores" or "hyper-threads" or GPU's will bring us to
> > entirely new levels of application performance.
>
> > Thank you Hermann for all you have done to demonstrate these new
> > technologies.
>
> > 73 de Ken N9VV
>
> 30/07/2013 15:10
>
> Thanks for the collated info Ken! Is there any place where
> recommended hardware to run cuSDR effectively is to be found?
>
> --
> Best Regards,
> Chris Wilson.
>
>

--
+???+,??,+???~ ~???+,??,+???+

593. Re: [sdr-users] re: cuSDR64 by Hermann DL3HVH

Yahoo group: sdr-users
Date: 2013-07-30 14:37:05 UTC
From: Chris Wilson
Topic: 589 Message: 593

> Hi Chris,
> well the original code from N8VB was run beautifully on a QuickSilver
> QS1R. You can find out about his DDC receiver here:
> http://www.srl-llc.com/

> Then Hermann updated the code to use CUDA parallelism and now he has
> added the Ethernet interface to the Apache DDC/DUC transceivers. He is
> working on adding Transmit functions and should release a new version
> shortly.

> If you are not familiar with the new DDC/DUC Software Defined Radio's,
> you might enjoy reading a little bit about them here:
> http://en.wikipedia.org/wiki/Digital_Down_Converter
> http://en.wikipedia.org/wiki/Digital_up_converter

> The DDC/DUC technology is in use in about 500 million cell phones around
> the world :-) Now the same architecture is being applied to Ham Radio
> hardware, firmware, and software. There are DDC/DUC Transceiver
> offerings from FLEX, HiQSDR, ZS1SDR, SunSDR2, Apache, Elan, and
> OpenHPSDR.org. You can expect to see more later this year :-)

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> all explained in detail and documented here: http://openhpsdr.org/

> Hermann's software is written in the C++/Qt computer languages that run
> on virtually all platforms (MAC, WIN, LIN, Android). The pictures and
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> Here is a link to my movies if you are interested:
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> http://www.screencast.com/users/N9VV/folders/N9VV%20Instructional%20Video
>>

> does that give you a start on the cuSDR subject? Did I answer your
> question o.k.?

> BK de Ken N9VV

30/07/2013 15:33

Hi Ken, thanks for that, what I am really looking for is what video
cards support this, as I am hoping to build a new PC and would like it
to be able to run cuSDR effectively, both now, and for it to be as
future proof as this evolving technology allows. Being in the UK there
is no SDR PC guru around, like you enjoy in the USA with, err, the
chap who's name I forget that builds well specced PC's for SR use.

Looking for motherboard, processor, video card and type / quantity of memory to look for, to run Windows 7. Also keen to know if 64 bit Windows is any advantage, as I see lots of people having issues with 64 bit that they didn't have with the lesser Windows 7.

Thanks!

--
Best Regards,
Chris Wilson.

594. Re: cuSDR64 by Hermann DL3HVH

Yahoo group: sdr-users
Date: 2013-07-30 15:35:26 UTC
From: josephrot
Topic: 589 Message: 594

MANY sincere thanks for the all-in-one info, Ken. It leads to a lot of solid cuSDR and cuSDR64 information and status.

Maybe we can buy you dinner sometime when we meet. And yes, indeed, Hermann has done a masterful job.

73's

Joe
Knoxville, TN

--- In sdr-users@yahoogroups.com, Ken N9VV <n9vv@...> wrote:
>
> Hi,
> cuSDR64 is the name of one of the programs that have been written by
> Hermann DL3HVH in Germany. Hermann used the beautiful SDRMAX-III written
> in 2008 by N8VB and Cathy Moss in the U.K. cuSDR32 and cuSDR64 are
> currently targeted for the Ethernet interface of the Apache Labs DDC/DUC
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> One of Hermann's skills is his ability to Parallelize portions of the
> code for amazing performance. He has used "CUDA" to use the hundreds of
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> opportunity is to use the new "OpenCL" standard which is discussed here:
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> Here are some links to Hermann's beautiful work:
> Blog:
> https://plus.google.com/107168125384405552048/posts
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> Source and executable code:
> http://svn.tapr.org/repos_sdr_hpsdr/trunk/DL3HVH/
>
> cuSDR32:
> http://openhpsdr.org/downloads/programs/cuSDR32_MSVS.zip
>
> cuSDR64:
> http://openhpsdr.org/downloads/programs/cuSDR64_MSVS.zip
>
> We are all so fortunate to have skilled programmers with such a great
> intellect and curiosity for the future. Parallel operation of code in a
> processor with many "cores" or "hyper-threads" or GPU's will bring us to
> entirely new levels of application performance.
>
> Thank you Hermann for all you have done to demonstrate these new
> technologies.

>
> 73 de Ken N9VV
> --
> +°´°+,˛˛,+°´°~ ~°´°+,˛˛,+°´°+
>

595. Re: [sdr-users] Re: cuSDR64 by Hermann DL3HVH

Yahoo group: sdr-users
Date: 2013-07-30 15:43:10 UTC
From: Ken N9VV
Topic: 589 Message: 595

Hi Joe,
wow, dinner would be great :-) but honestly your kindness and
thoughtful compliments mean more than you can imagine. I had to leave
Apache Customer Support because of my health. You are the *best*
medicine that I have received :-)

many thanks for your message Joe,
73 de Ken N9VV

On 7/30/2013 10:35 AM, josephrot wrote:
> MANY sincere thanks for the all-in-one info, Ken. It leads to a lot of
> solid cuSDR and cuSDR64 information and status.
>
> Maybe we can buy you dinner sometime when we meet. And yes, indeed,
> Hermann has done a masterful job.
>
> 73's
>
> Joe
> Knoxville, TN
>
> --- In sdr-users@yahoogroups.com <mailto:sdr-users%40yahoogroups.com>,
> Ken N9VV <n9vv@...> wrote:
> >
> > Hi,
> > cuSDR64 is the name of one of the programs that have been written by
> > Hermann DL3HVH in Germany. Hermann used the beautiful SDRMAX-III written
> > in 2008 by N8VB and Cathy Moss in the U.K. cuSDR32 and cuSDR64 are
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> > Source and executable code:
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> >
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> > http://openhpsdr.org/downloads/programs/cuSDR32_MSVS.zip
> >
> > cuSDR64:
> > http://openhpsdr.org/downloads/programs/cuSDR64_MSVS.zip
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> > processor with many "cores" or "hyper-threads" or GPU's will bring us to
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> > Thank you Hermann for all you have done to demonstrate these new
> > technologies.
> >
> > 73 de Ken N9VV
> > --
> > +???+,??,+???~ ~???+,??,+???+
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>
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602. Re: [sdr-users] re: cuSDR64 by Hermann DL3HVH

Yahoo group: sdr-users
Date: 2013-07-30 19:14:36 UTC
From: Kristoff Bonne
Topic: 589 Message: 602

HI all,

On 30-07-13 15:29, Ken N9VV wrote:
>
> cuSDR64 is the name of one of the programs that have been written by
> Hermann DL3HVH in Germany. Hermann used the beautiful SDRMAX-III written
> in 2008 by N8VB and Cathy Moss in the U.K. cuSDR32 and cuSDR64 are
> currently targeted for the Ethernet interface of the Apache Labs DDC/DUC
> Transceivers.
>
> One of Hermann's skills is his ability to Parallelize portions of the
> code for amazing performance. He has used "CUDA" to use the hundreds of
> Graphical Processing Units in Nvidia video cards (GPU). Another
> opportunity is to use the new "OpenCL" standard which is discussed here:
> http://blog.qt.digia.com/blog/2010/04/07/using-opencl-with-qt/
>
(...)

> (...)
> We are all so fortunate to have skilled programmers with such a great
> intellect and curiosity for the future. Parallel operation of code in a
> processor with many "cores" or "hyper-threads" or GPU's will bring us to
> entirely new levels of application performance.
>
I have been interested in parallel programming for some time. SDR looks
to be one of the applications where parallel processing really shines.

However, it turns out that for every system I have at home (laptop,
pandaboard, raspi, ...), when I look at the specification of the GPUs,
none of them support opengl. :-(

One of the promising projects in parallel programming (I think) is the
"parallella" board (http://www.parallella.org/), a 99 USD kickstarter
project with a board based on an ARM9 and a 16 or 64 core Epiphany
coprocessor.

They want to be "the arduino / raspberry pi for parallel programming".
At that price, I think they do have a chance and it would be nice change
to have a board completely ready to run openGL and allow people to start
doing parallel computing from the start.

> 73 de Ken N9VV
>
73
kristoff - ON1ARF

615. Re: cuSDR64 by Hermann DL3HVH

Yahoo group: sdr-users
Date: 2013-07-30 20:58:10 UTC
From: jabauzit
Topic: 589 Message: 615

```
--- In sdr-users@yahoogroups.com, Kristoff Bonne <kristoff@...> wrote:
> .....
> However, it turns out that for every system I have at home (laptop,
> pandaboard, raspi, ...), when I look at the specification of the GPUs,
> none of them support opengl. :-(
>
> One of the promising projects in parallel programming (I think) is the
> "parallella" board (http://www.parallella.org/), a 99 USD kickstarter
> project with a board based on an ARM9 and a 16 or 64 core Epiphany
> coprocessor.
>
> They want to be "the arduino / raspberry pi for parallel programming".
> At that price, I think they do have a chance and it would be nice change
> to have a board completely ready to run openGL and allow people to start
> doing parallel computing from the start.
>

I think you are confusing OpenGL and OpenCL. Parallella supports OPenCL.

Jean-Claude PJ2BVU
```

616. Re: [sdr-users] Re: cuSDR64 by Hermann DL3HVH

Yahoo group: sdr-users
Date: 2013-07-30 22:35:29 UTC
From: Kristoff Bonne
Topic: 589 Message: 616

Jean-Claude,

On 30-07-13 22:58, jabauzit wrote:
>
> --- In sdr-users@yahoogroups.com <mailto:sdr-users%40yahoogroups.com>,
> Kristoff Bonne <kristoff@...> wrote:
> > .....
> > However, it turns out that for every system I have at home (laptop,
> > pandaboard, raspi, ...), when I look at the specification of the GPUs,
> > none of them support opengl. :-(
> >
> > One of the promising projects in parallel programming (I think) is the
> > "parallella" board (http://www.parallella.org/), a 99 USD kickstarter
> > project with a board based on an ARM9 and a 16 or 64 core Epiphany
> > coprocessor.
> >
> > They want to be "the arduino / raspberry pi for parallel programming".
> > At that price, I think they do have a chance and it would be nice
> change
> > to have a board completely ready to run openGL and allow people to
> start
> > doing parallel computing from the start.
> >
>
> I think you are confusing OpenGL and OpenCL. Parallella supports OPenCL.
>
Hmm. Why did they chose two abrivation so close together. :-(

You are correct. I did write "opengl" (Open Graphics Library: 3D
graphics library) while it should have been "opencl" (open Computer
language: parallel processing).

It's a bit sad to see that opengl actually dates from 2008, most of the
ARM based boards out there (even new ones like the beaglebone black)
still ship with SOCs that do not have a GPU that supports opengl.

> Jean-Claude PJ2BVU
>
73
kristoff - ON1ARF

618. A Happy Software Defined Radio (SDR) Experience. New file uploaded.

Yahoo group: sdr-users
Date: 2013-07-31 09:59:09 UTC
From: sdr.users
Topic: 618 Message: 618

Good morning all!

I have uploaded the above named file to the FILES section. Text follows.

Please enjoy.

73,

Juan /K4LCD

A Happy Software Defined Radio (SDR) Experience.
This is what we wish to anyone joining and participating in the Software Defined Radio (SDR) User's Discussion Group.

http://groups.yahoo.com/group/sdr-users/

Over the nine years that I have been an owner/users of different SDR's (Flex-1000, Flex 5000A, RF Space SDR-IQ and now an Apache Labs ANAN 100 D, I have been able to enjoy the "Happy SDR Experience" with each and every one of them.

By owning each one of these fine radios I was able to flavor the development of the new different technologies.

And, I also well understand l what contributed to my successful enjoyment of these fine SDR Radios that I have owned or that I now own.

It was my never ending research for "knowledge" on the subject, and the excellent "Customer Support" and "Warranty Service and Repair" that I received from the manufacturers.

Wishing all prospective new Buyers/Users of SDR's and those that already are Owners/Users the same "Happy SDR Experience" , we started the Software Defined Radio (SDR) User's Discussion Group in May 2013.

We initially contacted privately several of our known `guru' experts to learn if any of them would be interested in writing a simple entry level tutorial for the NEWBIES exploring, and considering entering into the SDR experience. None would.

However, thanks to the generosity Radio Society of Great Britain and to their authors, we published an excellent collection of (29) educational and informative articles on Software Defined Radio, SDR, written by Steve Ireland, VK6VZ and Phil Harman VK6APH. These articles are copyright © of the Radio Society of Great Britain RSGB and were originally published in their magazine, RadCom, between 04/2006 and 12/2008. They are reproduced here with their kind permission. For more information about the RSGB please visit www.rsgb.org <http://www.rsgb.org/ They can be accessed from our FILES section, where you can also find other articles of interest.

In our LINKS section you find four earlier articles: A Software-Defined Radio for the Masses, Part 1, 2, 3 and 4 by Gerald Youngblood K5SDR. The original 4 (four) articles

written by Gerald Youngblood, K5SDR, Founder, CEO and President of Flex-Radio Systems entitled "A Software-Defined Radio for the masses" and first published at ARRL's QEX in Jul/Aug; Sep/Oct; Nov/Dec 2002/ and Jan/Feb 2003. You will also find some other interesting materials.

We plan to continue to enlarge our entry level educational and informative library and to encourage ALL to have the same "Happy SDR Experience".

Do you have something to contribute towards someone else's "Happy Software Defined Radio (SDR) Experience?

To the many that have joined us in this endeavor, thank you!

July 31, 2013
Juan A. Granados /K4LCD

625. UPLOADED: HF Ham Band propagation predictor tool with Great Circle directions.

Yahoo group: sdr-users
Date: 2013-08-02 15:38:02 UTC
From: sdr.users
Topic: 625 Message: 625

Hi friends,

Just finished unloading to our LINKS section an excellent Voice of America "HF Ham Band propagation predictor with Great Circle long path and short path direction indications".

Very user friendly!

Enjoy.

73

Juan /K4LCD

626. UPLOADED Three (3) videos comparing performance of Flex 5000A vs. ANAN 100D.

Yahoo group: sdr-users
Date: 2013-08-18 01:31:25 UTC
From: sdr.users
Topic: 626 Message: 626

Good evening friends,

Furthering the informative and educational purpose of this Software Defined Radio (SDR) User's Discussion Group we uploaded to our LINKS section http://groups.yahoo.com/group/sdr-users/links three very interesting You Tube videos prepared by G7CNF.

Please enjoy.

73

Juan /K4LCD

627. UPLOADED: 33 minute video of ANAN 100D operating with DL3HVH's beta cuSDR.

Yahoo group: sdr-users
Date: 2013-08-23 21:44:16 UTC
From: sdr.users
Topic: 627 Message: 627

Good evening friends,

Furthering the informative and educational purpose of this Software Defined Radio (SDR) User's Discussion Group we uploaded to our LINKS section http://groups.yahoo.com/group/sdr-users/links a 33 minute long You Tube video of Apache Labs ANAN 100D operating DL3HVH's Beta cuSDR Open Source software.

Please enjoy.

73

Juan /K4LCD

628. UPLOADED: To our LINKS section a VirtualVox Easy Installation of ghpsdr3-alex..

Yahoo group: sdr-users
Date: 2013-08-28 09:27:38 UTC
From: sdr.users
Topic: 628 Message: 628

Dear friends,

Courtesy of Rob, KL7NA, you will now find at our LINKS section a VirtualVox Easy Installation of ghpsdr3-alex for Hermes, and the Apache Labs ANAN 10, 100 and 100D; also should work with Softrocks...

Please read carefully the information that Rob has so generously provided, to help us and others (if we so desire) run our radios remotetely using Alex Lee's fantastic ghpsdr3-alex software.

Rob KL7NA, is a Professional Engineer, PhD and a Professor at the EF Cross School of Engineering, Walla Walla University, College Park, WA.

We thank Rob for his support and this important contribution to the Informative and Educational purposes of the Software Defined Radio (SDR) User's Discussion Group.

Enjoy.

73,

Juan /K4LCD

629. LOW COST LEADING EDGE TECHNOLOGY ALTERNATIVE TO SDR?

Yahoo group: sdr-users
Date: 2013-10-31 22:58:36 UTC
From: <sdr.users@...>
Topic: 629 Message: 629

LOW COST LEADING EDGE TECHNOLOGY ALTERNATIVE TO SDR?

Hi friends,

I recently purchased a mint used TS-590 for $1,000.00.

With a $3.00 USB cable and a $17.00 ready made interface cable to key my linear amplifiers, it is running in all Digital Modes ie. FLDIGI (including rig control), driving my HF and VHF amps and even was able to smoothly upgrade its Firmware to the latest version.

And with the free Kenwood ARCP-590 Radio Control Program, I am able to turn the radio ON/OF, fully run it from my Windows 8 /64bits computer and fully control and program the 2x87 MENU functions, plus the 2x18 Band Equalizers.

The receiver is extraordinary..., and I have never received better audio reports during my SSB operations using one of the standard Audio Profiles available from the MENUs. A great CW keyer.

The best benefits: PLUG and PLAY. No Virtual Cables and excellent proven engineering.

Please visit our LINKS section where you will find a document describing the detailed technology used in the development of this excellent transceiver.

It is not a Software Defined Radio. But, is its communications technology better and more advanced?

If a Panadapter is your requirement, then, you can consider ie. SDRIQ as a 2nd RX w/ Simon Brown's SDR Console V2 with the TS-590...

At a fraction of the cost of the SDR alternatives that are available in the market today, mostly “for advanced experimenters only”, you can own the fully developed, very well designed and user friendly Kenwood TS-590 and enjoy a very advanced and happy ham radio experience, while keeping thousands of dollars in your pocket.

Sincerely and 73

Juan /K4LCD

630. Uploaded to our LINKS section two interesting presentations.

Yahoo group: sdr-users
Date: 2013-11-04 12:59:30 UTC
From: <sdr.users@...>
Topic: 630 Message: 630

Good evening friends,

Furthering the informative and educational purpose of this Software Defined Radio (SDR) User's Discussion Group we uploaded to our LINKS section
http://groups.yahoo.com/group/sdr-users/links
http://groups.yahoo.com/group/sdr-users/links two very interesting presentations on the following subjects:

I/Q Data for Dummies.

Quadrature Signals: Complex But Not Complicated by Richard Lyons.

Please enjoy.

73

Juan /K4LCD

631. INTERESTED IN ASTRONOMY AND/OR ASTROPHOGRAPHY?

Yahoo group: sdr-users
Date: 2014-05-06 22:57:53 UTC
From: <sdr.users@...>
Topic: 631 Message: 631

Hi all!
Join the new Astrophotousers Yahoo User's Group at:
https://groups.yahoo.com/neo/groups/astrophotousers/info
https://groups.yahoo.com/neo/groups/astrophotousers/info

73
MODERATOR
SDR-USERS

632. INTERESTED IN AMATEUR ASTRONOMY AND/OR ASTROPHOTOGRAPHY?

Yahoo group: sdr-users
Date: 2014-05-06 23:05:45 UTC
From: <sdr.users@...>
Topic: 632 Message: 632

Hi all!
Join the new Astrophotousers yahoo group and enjoy its resources at:
https://groups.yahoo.com/neo/groups/astrophotousers/info
https://groups.yahoo.com/neo/groups/astrophotousers/info
73

Moderator

633. HAPPY FOURTH OF JULY TO ALL!

Yahoo group: sdr-users
Date: 2014-07-03 21:19:22 UTC
From: sdr.users@...
Topic: 633 Message: 633

HAPPY FOURTH OF JULY TO ALL!

Thanks and 73

Juan /K4LCD

634. Re. My experiences of using SDR-IQ and SDRplay as external receiver of Kenwood TS-590SG - while running HDSDR.

Yahoo group: sdr-users
Date: 2015-07-05 09:25:29 UTC
From: sdr.users@...
Topic: 634 Message: 634

Re. My experiences of using SDR-IQ and SDRplay as external receiver of Kenwood TS-590SG - while running HDSDR.

Good morning friends of SDR and greetings from Miami, Florida.

It finally happened!

Now is "plug and play". All I needed was to connect the antenna output of either the SDR receiver to the DRV (RCA jack on the back of the TS-590SG) after previously enabling "ANT" from Menu 85 and plunging the USB 2.0 cable to my Windos 8.1 computer. Now, "METER/DRV" on the front of the TS-590SG is used to toggle the function ON/OFF.

After installing the plugins in HDSDR it all runs like (even better) than a $6,000.00 SDR transceiver, since OmniRig Syncronized both rigs perfectly and I can even access the Control Console of the SDRplay while running HDSDR for full receiver control.

And friends, everything is STABLE!

I paid for the TS-590SG $1,450.00 delivered.
IMHO as an Amateur, who is only a USER, the -broader- future of SDR in Amateur Radio is in HYBRID setups of SDR receivers with modern conventional, well engineered, high quality transceivers.

I respectfully suggest that considerations of further development of softwares like HDSDR may be warranted, since Kenwood's decision to allow for external SDR receivers to plug into their radios, to run in parallel with their Internal receivers, may indeed be, THE REAL GAME CHANGER!

Always searching for a Happy Amateur Radio Experience...

Thank you and 73

-- Juan A. Granados /K4LCD - WF2XXQ https://sites.google.com/site/k4lcdars/
https://sites.google.com/site/thesdrinstitute/
https://groups.yahoo.com/neo/groups/sdr-users/info Skype: juangranados-miami

635. Re. My experiences of using SDR-IQ and SDRplay as external re ceiver of Kenwood TS-590SG - w hile running HDSDR – CORRECTED.

Yahoo group: sdr-users
Date: 2015-07-06 00:08:29 UTC
From: sdr.users@...
Topic: 635 Message: 635

Re. My experiences of using SDR-IQ and SDRplay as external receiver of Kenwood TS-590SG - while running HDSDR – CORRECTED.

Good morning friends of SDR and greetings from Miami, Florida.

It finally happened!

Now is "plug and play". All I needed was to connect the antenna output of either the SDR receiver (SDR-IQ or SDRplay) to the DRV (RCA jack on the back of the TS-590SG) after previously enabling "ANT" from Menu 85 and plunging the USB 2.0 cable to my Windows 8.1 computer. Now, "METER/DRV" on the front of the TS-590SG is used to toggle the function ON/OFF. USB 2.0 jack on either SDR receiver was connected to PC.

Additionally, I connected the Serial Port and the USB Port of the TS-590SG to the Windows computer.

After installing the plugins in HDSDR it all runs like (even better) than a $6,000.00 SDR transceiver, since OmniRig Syncronized both rigs perfectly and I can even access the Control Console of the SDRplay while running HDSDR for full receiver control.

And friends, everything is STABLE!

The reality is that I have available, with all its features, aa) the internal receiver of the TS-590SG; AND, bb) either the SDRplay or the SDR-IQ receiver with all its features, when controlled by HDSDR, and in sync with the TS-590SG. The Kenwood transceiver will now operate with its internal receiver, or as a "hybrid" SDR transceiver when using either the SDRplay as its receiver (with a selectable bandwith from .200 to 8.000MHz) or the SDR-IQ with its .192MHz max. bandwith.

I paid for the TS-590SG $1,450.00 delivered; and for my new SDRplay $150.00 plus $15.00 Royal Mail postage , from the UK to my home in Miami, Florida.

IMHO as an Amateur, who is only a USER, the -broader- future of SDR in Amateur Radio is in HYBRID setups of SDR receivers with well engineered, high quality, modern conventional, transceivers.

I respectfully suggest that considerations of further development of softwares like HDSDR may be warranted, since Kenwood's decision to allow for external SDR receivers to plug into their radios, to run in parallel with their Internal receivers, may indeed be, THE REAL GAME CHANGER!

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Thank you and 73

--
Juan A. Granados /K4LCD - WF2XXQ

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SDR Radio User’s Discussion Group. https://groups.yahoo.com/neo/groups/sdr-users/info

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SDR Radio User’s Discussion Group. https://groups.yahoo.com/neo/groups/sdr-users/info SDR Radio User’s Discussion Group. Welcome to the Software Defined Radio (SDR) User’s Discussion Group. Wishing everyone a very happy Amateur Radio...

View on groups.yahoo.com https://groups.yahoo.com/neo/groups/sdr-users/info
Preview by Yahoo

636. Re: [sdr-users] Re. My experiences of using SDR-IQ a nd SDRplay as external receiver of Kenwood TS-590SG - while running HDSDR – CORRECTED.

Yahoo group: sdr-users
Date: 2015-07-06 00:16:58 UTC
From: Steven Hess
Topic: 635 Message: 636

This is hardly the state of the art as far as SDR goes.
You are still stuck with very poor old technology on the transmit side
and very little viewable spectrum on the receive side.
I'm looking at entire bands on my fourth generation SDR.

On Sun, Jul 5, 2015 at 5:08 PM, sdr.users@... [sdr-users]
<sdr-users@yahoogroups.com> wrote:
>
>
> Re. My experiences of using SDR-IQ and SDRplay as external receiver of
> Kenwood TS-590SG - while running HDSDR – CORRECTED.
>
> Good morning friends of SDR and greetings from Miami, Florida.
>
> It finally happened!
>
> Now is "plug and play". All I needed was to connect the antenna output of
> either the SDR receiver (SDR-IQ or SDRplay) to the DRV (RCA jack on the back
> of the TS-590SG) after previously enabling "ANT" from Menu 85 and plunging
> the USB 2.0 cable to my Windows 8.1 computer. Now, "METER/DRV" on the front
> of the TS-590SG is used to toggle the function ON/OFF. USB 2.0 jack on
> either SDR receiver was connected to PC.
>
> Additionally, I connected the Serial Port and the USB Port of the TS-590SG
> to the Windows computer.
>
> After installing the plugins in HDSDR it all runs like (even better) than a
> $6,000.00 SDR transceiver, since OmniRig Syncronized both rigs perfectly and
> I can even access the Control Console of the SDRplay while running HDSDR for
> full receiver control.
>
> And friends, everything is STABLE!
>
> The reality is that I have available, with all its features, aa) the
> internal receiver of the TS-590SG; AND, bb) either the SDRplay or the SDR-IQ
> receiver with all its features, when controlled by HDSDR, and in sync with
> the TS-590SG. The Kenwood transceiver will now operate with its internal
> receiver, or as a "hybrid" SDR transceiver when using either the SDRplay as
> its receiver (with a selectable bandwith from .200 to 8.000MHz) or the
> SDR-IQ with its .192MHz max. bandwith.
>
> I paid for the TS-590SG $1,450.00 delivered; and for my new SDRplay $150.00

> plus $15.00 Royal Mail postage , from the UK to my home in Miami, Florida.
>
> IMHO as an Amateur, who is only a USER, the -broader- future of SDR in
> Amateur Radio is in HYBRID setups of SDR receivers with well engineered,
> high quality, modern conventional, transceivers.
>
> I respectfully suggest that considerations of further development of
> softwares like HDSDR may be warranted, since Kenwood's decision to allow for
> external SDR receivers to plug into their radios, to run in parallel with
> their Internal receivers, may indeed be, THE REAL GAME CHANGER!
>
> Always searching for a Happy Amateur Radio Experience...
>
> Thank you and 73
>
> --
> Juan A. Granados /K4LCD - WF2XXQ
> https://sites.google.com/site/k4lcdars/
> https://sites.google.com/site/thesdrinstitute/
> SDR Radio User’s Discussion Group.
>
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> SDR Radio User’s Discussion Group. Welcome to the Software Defined Radio
> (SDR) User’s Discussion Group. Wishing everyone a very happy Amateur
> Radio...
> View on groups.yahoo.com
> Preview by Yahoo
>
>

--

_____
Apply appropriate technology. Use what works without prejudice.
Steven L Hess ARS KC6KGE DM05gd22
Owner Flex-1500 and Flex-3000 Flex-6300, FT-857D, FT-817ND
openSUSE Linux 13.1 KDE
Known as FlameBait and The Sock Puppet of Doom.

637. Re: [sdr-users] Re. My experiences of using SDR-IQ a nd SDRplay as ext ernal receiver of Kenwood TS-590SG - while running HDSDR – CORRECTED.

Yahoo group: sdr-users
Date: 2015-07-06 08:59:56 UTC
From: sdr.users@...
Topic: 635 Message: 637

Thank you Steven.

The reality is that I have available, with all its features, aa) the internal receiver of the TS-590SG; AND, bb) either the SDRplay or the SDR-IQ receiver with all its features, when controlled by HDSDR, and in sync with the TS-590SG. The Kenwood transceiver will now operate with its internal receiver, or as a "hybrid" SDR transceiver when using either the SDRplay as its receiver (with a selectable bandwith from .200 to 8.000MHz) or the SDR-IQ with its .192MHz max. bandwith.

I paid for the TS-590SG $1,450.00 delivered; and for my new SDRplay $150.00 plus $15.00 Royal Mail postage , from the UK to my home in Miami, Florida.

It worked for me and may work for others.

As well as your setup works for you.

After all, Steven, "its only about a happy amateur radio experience".

Sincerely and 73

Juan /K4LCD - WF2XXQ

638. To the Members of the Open HPSDR Group.

Yahoo group: sdr-users
Date: 2015-07-09 14:09:49 UTC
From: sdr.users@...
Topic: 638 Message: 638

Good morning friends of Open HPSDR and greetings from Miami, Florida!

For the last couple of weeks, I have been very successfully conducting these experiments with my new Kenwood TS-590SG transceiver and mostly with the $150.00 SDRplay receiver. I have been having a blast from 6M to 160M. Running real power 1KW plus.

I have been doing some HF SWL with my log periodic selecting its broad bands of .2, .3, .4, .6, 1.56, 2.0, 3.0, 4.0 5.0, 6.0, 7.0 and 8.0MHz.

Is it possible that the OpenHPSDR Group will consider supporting the SDRplay and other stand alone SDR receivers with HPSDR?

I played with SDR-Console, HDSDR and #SDR. My favorite is HDSDR, which is more mature in its development.

It is my humble opinion that this HYBRID Transceiver User option, opens many oportunities for existing and potential users of SDR as well as to the possibilities of expansions of markets of many fine SDR receiver manufacturers.

Friends, you could again have a new and important role to play in the in the expansion of the use of the HYBRID SDR Transceiver by many as part of their "HAPPY AMATEUR RADIO EXPERIENCE."

Below an explanation in my posting to Yahoo's SDR-USERS Discussion Group.

Sincerely and thanks,

Juan A. Granados /K4LCD - WF2XXQ

https://sites.google.com/site/k4lcdars/ https://sites.google.com/site/k4lcdars/
https://sites.google.com/site/thesdrinstitute/
https://sites.google.com/site/thesdrinstitute/
https://groups.yahoo.com/neo/groups/sdr-users/info
https://groups.yahoo.com/neo/groups/sdr-users/info
Skype: juangranados-miami

Re. My experiences of using SDR-IQ and SDRplay as external receiver of Kenwood TS-590SG - while running HDSDR – CORRECTED.

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Always searching for a Happy Amateur Radio Experience...

Thank you and 73

--
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SDR Radio User’s Discussion Group. https://groups.yahoo.com/neo/groups/sdr-users/info

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SDR Radio User’s Discussion Group. https://groups.yahoo.com/neo/groups/sdr-users/info SDR Radio User’s Discussion Group. Welcome to the Software Defined Radio (SDR) User’s Discussion Group. Wishing everyone a very happy Amateur Radio...

View on groups.yahoo.com https://groups.yahoo.com/neo/groups/sdr-users/info
Preview by Yahoo

639. To the Members of the OpenHPSDR Support Group - CORRECTED

Yahoo group: sdr-users
Date: 2015-07-10 09:18:34 UTC
From: sdr.users@...
Topic: 639 Message: 639

Good morning friends of OpenHPSDR and greetings from Miami, Florida!

For the last couple of weeks, I have been very successfully conducting these experiments with my new Kenwood TS-590SG transceiver and mostly with the $150.00 SDRplay receiver. I have been having a blast from 6M to 160M. Running real power 1KW plus.

I have been doing some HF SWL with my log periodic selecting its broad bands of .2, .3, .4, .6, 1.56, 2.0, 3.0, 4.0 5.0, 6.0, 7.0 and 8.0MHz.

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Sincerely and thanks,

Juan A. Granados /K4LCD - WF2XXQ

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https://sites.google.com/site/thesdrinstitute/
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Skype: juangranados-miami

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Good morning friends of SDR and greetings from Miami, Florida.

It finally happened!

Now is "plug and play". All I needed was to connect the antenna output of either the SDR receiver (SDR-IQ or SDRplay) to the DRV (RCA jack on the back of the TS-590SG) after previously enabling "ANT" from Menu 85 and plunging the USB 2.0 cable to my Windows 8.1 computer. Now, "METER/DRV" on the front of the TS-590SG is used to toggle the function ON/OFF. USB 2.0 jack on either SDR receiver was connected to PC.

Additionally, I connected the Serial Port and the USB Port of the TS-590SG to the Windows computer.

After installing the plugins in HDSDR it all runs like (even better) than a $6,000.00 SDR transceiver, since OmniRig Syncronized both rigs perfectly and I can even access the Control Console of the SDRplay while running HDSDR for full receiver control.

And friends, everything is STABLE!

The reality is that I have available, with all its features, aa) the internal receiver of the TS-590SG; AND, bb) either the SDRplay or the SDR-IQ receiver with all its features, when controlled by HDSDR, and in sync with the TS-590SG. The Kenwood transceiver will now operate with its internal receiver, or as a "hybrid" SDR transceiver when using either the SDRplay as its receiver (with a selectable bandwith from .200 to 8.000MHz) or the SDR-IQ with its .192MHz max. bandwith.

I paid for the TS-590SG $1,450.00 delivered; and for my new SDRplay $150.00 plus $15.00 Royal Mail postage , from the UK to my home in Miami, Florida.

IMHO as an Amateur, who is only a USER, the -broader- future of SDR in Amateur Radio is in HYBRID setups of SDR receivers with well engineered, high quality, modern conventional, transceivers.

I respectfully suggest that considerations of further development of softwares like HDSDR may be warranted, since Kenwood's decision to allow for external SDR receivers to plug into their radios, to run in parallel with their Internal receivers, may indeed be, THE REAL GAME CHANGER!

Always searching for a Happy Amateur Radio Experience...

Thank you and 73

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Juan A. Granados /K4LCD - WF2XXQ
https://sites.google.com/site/k4lcdars/ https://sites.google.com/site/k4lcdars/
https://sites.google.com/site/thesdrinstitute/
https://sites.google.com/site/thesdrinstitute/
SDR Radio User’s Discussion Group. https://groups.yahoo.com/neo/groups/sdr-users/info

https://groups.yahoo.com/neo/groups/sdr-users/info

SDR Radio User’s Discussion Group. https://groups.yahoo.com/neo/groups/sdr-users/info SDR Radio User’s Discussion Group. Welcome to the Software Defined Radio (SDR) User’s Discussion Group. Wishing everyone a very happy Amateur Radio...

View on groups.yahoo.com https://groups.yahoo.com/neo/groups/sdr-users/info
Preview by Yahoo

660. SDR-IQ for Sale

Yahoo group: sdr-users
Date: 2015-11-16 22:51:14 UTC
From: Jim
Topic: 660 Message: 660

I have a SDR-IQ for sale for $300. I am the original owner and have the original box, USB cable and the Spectraview Disk although newer versions of the software are available. I bought this at Dayton several years ago and it has worked flawlessly since!

Please contact me if you are interested or pass this on to someone who you think might be interested.

Thanks

Jim K5QQ
Radio_Q@... <mailto:Radio_Q@...>

PS To the moderator, I apologize if this is too far off topic but I did not see anything on the intro discouraging for sale items. If you do decide to delete it, please let me know. Thanks

661. Re: SDRPlay: BTW, about that name...

Yahoo group: sdr-users
Date: 2015-12-13 13:13:40 UTC
From: joerotello@...
Topic: 661 Message: 661

One might consider that all along, many if not most are referring to the SDRPlay as the SDRPlay, when all along, RSP or RSP1 is the model designation (same model), and SDRPlay is the company name.

Obviously not the worst occurrence, but still might be a positive to put that clarification forth.

Joe Rotello / Knoxville, TN / US

"No! SDR does NOT stand for Smelly Darn Rodents..."

662. Simple software for SDR use

Yahoo group: sdr-users
Date: 2015-12-17 14:56:32 UTC
From: John Watkins
Topic: 662 Message: 662

Hi All,

Had a computer crash and want to setup my SDR radio again. Never did get it set up properly. What is the best software to use for someone new to this technology?

My unit is the UV HF RTL.SDR and I can hook up to my HF to 6M antenna system. Plenty of computer power so no problem running software.

Thanks,

John WD5ENU

On Sun, 12/13/15, joerotello@... [sdr-users] <sdr-users@yahoogroups.com> wrote:

Subject: [sdr-users] Re: SDRPlay: BTW, about that name...
To: sdr-users@yahoogroups.com
Date: Sunday, December 13, 2015, 7:13 AM

One might consider that all along, many if not most
are referring to the SDRPlay as the SDRPlay, when all along,
RSP or RSP1 is the model designation (same model), and
SDRPlay is the company name.

Obviously not the worst occurrence, but still
might be a positive to put that clarification forth.

Joe Rotello / Knoxville, TN /
US

"No! SDR does NOT
stand for Smelly Darn Rodents..."

663. Re: Simple software for SDR use

Yahoo group: sdr-users
Date: 2015-12-27 20:10:01 UTC
From: m3rdx@...
Topic: 662 Message: 663

Hi John I have used HDSDR for a long time with several different sdr receivers and it will interact with a transceiver very well also well worth a try for sure Happy New Year
rgds Ian 2E1RDX